

# ControlLogix PLC and Troubleshooting

**Start Date: 11/13/2017 8:00 AM**

**End Date: 11/16/2017 4:00 PM**



After this course you will be able to:

1. Identify a ControlLogix system and its components
2. Identify basic ladder logic instructions and their meaning
3. Configure the communications drivers for RSLogix 5000®; and RSLinx®;
4. Use the programming software to monitor input and output devices
5. Understand the diagnostics provided by the programming software
6. Perform general practices for maintaining and troubleshooting a PLC system

## Introduction

An Overview of Programmable Logic Controllers  
Identifying RSLogix 5000 Software Components  
Interpreting RSLogix 5000 Project Organization and Execution

## Communications

Connecting a Computer to a Communications Network  
• Communicating with a ControlLogix Controller

## Creating Projects, Tags, and Instructions

Configuring Local I/O Modules  
Creating Tags and Monitoring Data  
Drafting Basic Ladder Logic  
Selecting Basic Ladder Logic Instructions  
Entering Ladder Logic Components  
Monitoring Arrays and Tags of User-Defined Data Types  
Documenting and Printing Components  
Searching for Project Components  
Interpreting a Basic RSLogix 5000 Project

## Maintenance and Troubleshooting

Applying Preventative Maintenance and Troubleshooting Strategies  
Troubleshooting ControlLogix Controller Problems