



Business Industrial Network

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CONTROLLOGIX – DAY 1

Description

This module takes a fundamental approach to a ControlLogix system. It begins with an overview of the architecture and migrates into an introduction of RSLogix 5000, the programming environment. Students will receive a basic understanding of the structure of a ControlLogix program, which includes an introductory look at Routines and the Tag Database.

1. Overview

- System Overview
- Chassis and the backplane
- Power Supplies
- Logix5000 Processors and Memory options
- Discrete and Analog I/O
- Communication Modules
- Motion Control Modules
- Software Overview

2. RSLogix 5000 Introduction

- Software overview
- Menus
- Toolbars
- RSLogix 5000 configuration

3. RSLogix 5000 Project Basics

- Introduction to the Tag Database and Data Types
- Programming Basics

4. RSLogix 5000 Tasks, Programs and Routines

- Routines
- Programs
- Tasks
- Multitasking
- Program I/O Scan

5. RSLogix 5000 Programming Basics

6. RSLogix 5000 Communications

- Configure the DF1 Driver
- Configure the EtherNet driver
- Configure the EtherNet IP driver
- Set the project path
- Get online

7. RSLogix 5000 Discrete I/O

- The Producer Consumer Model
- Connections and Ownership
- Adding Discrete I/O
- Interpreting I/O addresses in the tag database