

Motion Control

Motion Control Fundamentals Course Description

COURSE AGENDA

- Identify the major components of a Motion system
- Overview of Motion parameters
- Interpret simple Motion Control applications
- Perform basic Motion operations using ControlLogix
- Recognise and diagnose Axis faults
- Fault finding in a Logix5000 Motion system
- A review of the basic principles of motion control.
- Electrical wiring of a ControlLogix motion control system.
- Overview of motion system parameters within RSLogix5000 software.
- Review of ControlLogix basic project layout.
- Downloading example project applications.
- Overview of Servo hook-up, diagnostics and tuning a motion controller for optimum response.
- Overview of basic Motion Instructions
- Review Axis Tags and Motion Instruction Tags.
- Fault finding in a ControlLogix motion control system



COURSE NUMBER: CCN130

Course Purpose

Upon completion of this course, you should be able to demonstrate fundamental motion control concepts common to all Rockwell Automation ControlLogix motion control systems.

This course is designed to provide you with an understanding of the concepts, terminology, functionality and applications of motion control. In addition, you will also learn how motion control applications function using the concepts and principles discussed in each lesson.

This course will allow you to establish the strong essential foundation you need before learning the skills necessary to maintain and program motion control systems.

Who Should Attend

This course is of maximum benefit to delegates who will be required to maintain motion control applications that use ControlLogix controllers.

Prerequisites

Delegates must have experience of RSLogix5000 and ControlLogix Ladder Logic at least to the level covered in the course course CCP146, "ControlLogix System Fundamentals".

LISTEN.
THINK.
SOLVE.®