Process Control
AADvance Operation, Maintenance, and Troubleshooting Course Description

Course Agenda

Day 1
- Building AADvance System Architectures
- Identifying AADvance Components
- Installing and Wiring an AADvance System
- Developing an AADvance Program

Day 2
- Downloading and Monitoring an AADvance Project
- Updating a Running AADvance Project
- Managing AADvance Workbench Version Source Control
- Troubleshooting an AADvance System

Course Number
PRST9064LD

Important: If you are responsible for designing, building, or programming an AADvance system, take this course instead: AADvance Comprehensive System Training (Course No. PRST9063LD)

Do not take both PRST9063LD and PRST9064LD because they share similar material.

Course Purpose
This course provides an overview of AADvance hardware, software, and troubleshooting. The course consists of a mixture of lecture and hands-on lessons. After completing this course, you should be able to:
- Identify fail-safe and fault-tolerant architectures
- Determine the components used in the system
- Assemble an AADvance system
- Create, modify, test, download and update projects
- Create functions and function blocks
- Pass safety-critical data between controllers
- Communicate with the system using OPC
- Utilize the version control features
- Troubleshoot a system and replace modules
Who Should Attend

- Personnel responsible for maintaining and troubleshooting an AADvance system
- Personnel working with a control system that interacts with an AADvance system

Prerequisites

To successfully complete this course, you must have:

- General understanding of Functional Safety and the application of ANSI/ISA-84.00.01 (IEC 61511 Mod)
- General knowledge of programmable logic controllers (PLCs)
- Background in industrial electronic control principles and practices

Technology Requirements

All technology is provided for student use in the classroom by Rockwell Automation. It is not necessary for students to bring any technology with them when attending this course.

Student Materials

To enhance and facilitate your learning experience, the following materials are provided as part of the course package:

- Student Manual, which contains the key concepts, definitions, and examples presented in the course and includes the hands-on exercises.
- Lab Book, which provides learning activities and hands-on practice
- AADvance Manuals, including documentation for safety, configuration, and troubleshooting
- Process Safebook, an introduction to Functional Safety for process applications

Hands-On Practice

Throughout this course, you will have the opportunity to practice the skills you have learned through a variety of hands-on exercises. These exercises focus on the skills introduced in each lesson.

Course Length

This is a two-day course.

To Register

To register for this or any other Rockwell Automation training course, contact your local authorized Allen-Bradley Distributor or your local Sales/Support office for a complete listing of courses, descriptions, prices, and schedules.

You can also access course information via the Web at http://www.rockwellautomation.com/training