

# Process Control

FactoryTalk Batch Project Design and Implementation  
Course Description



**Allen-Bradley**

## Course Agenda

### Day 1

- Defining batching and the S88 Standard
- Working in FactoryTalk Batch
- Working in FactoryTalk View and working with the ActiveX Controls

### Day 2

- Defining an Area Model from a P&ID
- Using FactoryTalk Equipment Editor

### Day 3

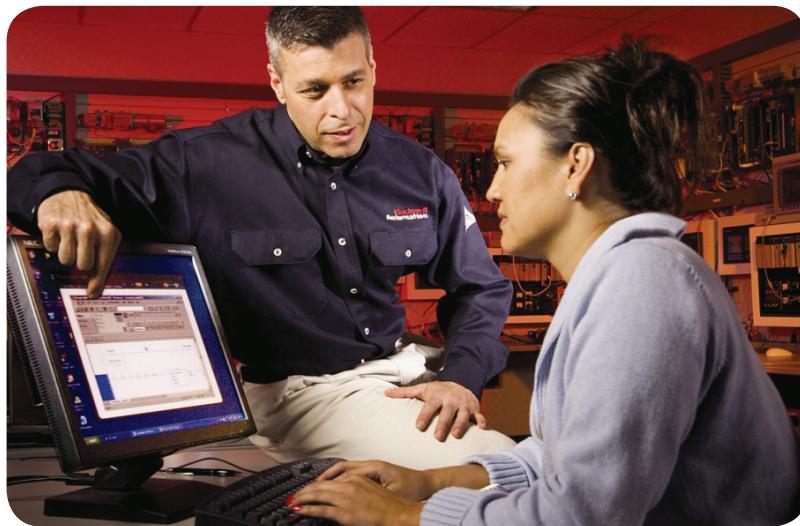
- Translating a Product definition into a Recipe
- Configuring the FactoryTalk Recipe Editor, including:
  - The Basic Mechanics
  - Divergent Flow
  - Class Based Recipes
  - Enhanced Unit Binding

### Day 4

- Configuring Batch Archiver & Enhanced Batch Reporting
- Performing System Administration tasks related to:
  - File Structure
  - Project Folder
  - Security

### Day 5

- Equip. Phase – FactoryTalk Batch Communications:
  - Phase Design
  - Equip. Phase Instructions
- Integrating manual phases and FactoryTalk Batch eProcedure
- Integrating material Based Phases and the FactoryTalk Batch Material Manager



## Course Number

PRS101-LD

## Course Purpose

This course is designed to provide a complete overview of the design and implementation of a batch project using FactoryTalk® Batch software. This includes an introduction to batch processing and to the ANSI/ISA S88.01 Standard. FactoryTalk Batch system architecture, system operation, and system configuration are covered in detail.

Upon completion of the course you will be able to:

- Use the recommended technique, layout a batch solution using project documentation (P&ID's and existing SOP's)
- Use the Batch View and ActiveX Controls to create, monitor, and control batches
- Use the Equipment Editor to create an equipment database (Area Model).
- Use the Recipe Editor to create and validate both Class-based and Unit-based recipes
- Configure the Batch Archiver and use Enhanced Report Package
- Perform system administration tasks such as configuring the FactoryTalk Batch Server, configuring and FactoryTalk Batch security and enabling a remote Batch View machine
- Design Controller based phases (equipment Phases) that are capable of communicating with the FactoryTalk Batch server
- Use FactoryTalk Batch eProcedure to integrate manual phases into a FactoryTalk Batch System
- Successfully use FactoryTalk Material Manager to define and use material based phases

LISTEN.  
THINK.  
SOLVE.®



**Allen-Bradley** • **Rockwell Software**

**Rockwell**  
**Automation**

## Who Should Attend

This course is intended for supervisors, operators, formulators, and engineers who will be involved with the installation, setup and operation of a FactoryTalk Batch system.

## Prerequisites

There are no required prerequisites; however a familiarity with Windows 2008 and the S88 Batch Standard would be helpful.

## 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 the students' learning experiences, the following materials are provided as part of the course package:

- *Student Manual:*
  - Includes the key concepts, definitions, examples, and activities presented in this course.
- *Lab Book:*
  - Provides learning activities and hands-on practice. Solutions are included after each exercise for immediate feedback.

## 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.

## Next Learning Level

It is highly recommended that engineers responsible for the success of their project implementation attend training in other software packages that touch or are touched by FactoryTalk Batch software. Such courses would include, but are not limited to:

- *Studio 5000 Logix Designer Level 3: Project Development* (Course No. CCP143)
- *Studio 5000 Logix Designer Level 4: PhaseManager Project Design* (Course No. CCP711)

## Course Length

This is a five-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>

Allen-Bradley, FactoryTalk, LISTEN. THINK. SOLVE., and Rockwell Software are trademarks of Rockwell Automation, Inc. Trademarks not belonging to Rockwell Automation are property of their respective companies.

**[www.rockwellautomation.com](http://www.rockwellautomation.com)**

---

### Power, Control and Information Solutions Headquarters

Americas: Rockwell Automation, 1201 South Second Street, Milwaukee, WI 53204-2496 USA, Tel: (1) 414.382.2000, Fax: (1) 414.382.4444

Europe/Middle East/Africa: Rockwell Automation, Vorstlaan/Boulevard du Souverain 36, 1170 Brussels, Belgium, Tel: (32) 2 663 0600, Fax: (32) 2 663 0640

Asia Pacific: Rockwell Automation, Level 14, Core F, Cyberport 3, 100 Cyberport Road, Hong Kong, Tel: (852) 2887 4788, Fax: (852) 2508 1846