

SIMATIC BATCH per SIMATIC PCS 7 (ST-PCS7BATCH)

Short Description

This course is an introduction to Siemens SIMATIC BATCH processing. Using the same project created during the prerequisite PCS 7 System Engineering training courses, students will review a typical batch process model to understand process elements and terminology. Students will then use the same sample batch process to learn batch tools, management and control skills. Security, system administration and batch control techniques topics are included. Recipe generation and planning considerations are also discussed.

Objectives

After attending the course, you can:

- Define the terms and procedural model according to the ISA S88.01
- Set up the hardware configuration; define SIMATIC BATCH structure, a P-Cell, Unit, Functions in Plant View and CFC
- Properly compile and download a Batch project
- Navigate file structures on Batch Server
- Utilize BATCH faceplates and other OS Batch controls in the OS
- Execute all configuration steps on the ES to start up a Batch server successfully
- Create a new P-Cell, handle materials, write/edit/release master recipes
- Create new users and set up user rights
- Set up batches based on the quantity of the order and batch dependencies
- Access data of finished and archived batches
- Perform Online Structure Changes

Target Group

Project managers
Project staff
Technologists
Configuring engineers
Commissioning engineers

Content

- Introduction to the Batch process
- SIMATIC PCS 7 and SIMATIC BATCH, TH, SFC types, instances, models
- Allocation strategy (preferred units, last used, parameterization)
- SIMATIC Logon: Users and Groups
- Creation of SFC type, continuous phases, phases / operations
- Introduction to the Task dryer
- Definition discussion of the concept of action
- Configuration and test of the SFC type
- SB: recipe data, classes, transitions, libraries, runtime
- Connections
- Formulas
- Batch log
- Data archive / backup-restore, compressions, API
- Electronic signature
- Operating windows
- Trends within the SIMATIC BATCH and Batch planning
- SB configurations, installations, licenses

Prerequisites

PCS7SYS course or equivalent knowledge of process control systems.

Type

Face-to-face training

Duration

5 days

Language

it