

## PCS7 SIMATIC Batch (SCT-PCBATP1B)

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### Global Reference

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SIMATIC PCS 7, SIMATIC BATCH (ST-PCS7BAT)

### Type

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Face-to-Face Learning

### Duration and Continuing Education Units (CEU)

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29.5 Hours over 4.5 Days  
2.9 CEUs

### Target Group

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- Commissioning
- Engineer
- Programmer

### Short Description

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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

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- Use available PCS 7 / SIMATIC Batch documentation and online support
- Define the terms and procedural model according to the ISA S88.01
- Set up the hardware configuration
- Define SIMATIC Batch structure
- Define 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 face plates 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
- Decide about dependencies between batches
- Access batch data of finished and archived batches
- Perform Online Structure Changes

### Content

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- Introduction
- Documentation and Online Support

- Functional Process Description
- Batch Systems Basics
- SIMATIC Batch in SIMATIC Manager
- SIMATIC Batch in the Operating System
- SIMATIC Batch offline
- SIMATIC Batch online

### **Mandatory Prerequisites**

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[PCS7 System Engineering 1: SCT-PCSYSE1D](#)

OR

[PCS7 System Engineering 1 - Virtual: SCT-PCOILSYSE1D](#)

### **Language**

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English

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