

## SIMATIC PCS7 System Course (ST-PCS7SYS)

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### Short Description

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In this course you will learn how to implement the diversity of engineering possibilities in a structured and efficient way with SIMATIC PCS 7 process control system. By doing exercises, you will implement software for the process automation of a plant right up to the HMI level.

### Target Group

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Project manager, Configuring engineers  
Programmers  
Commissioning engineers  
Technologists

### Content

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- System design and component specification
- Creating a multiproject
- Configuration of stations and networks
- Creation the plant hierarchy
- Basics of CFC and blocks
- Connection to the process
- Basic automation with the APL
- Spreadsheet-based engineering with the process object view
- Basic functions for operator control and monitoring
- Implementation of manual and automatic operation
- Sequential controls with SFC (more details/exercises in Advanced course)
- Monitoring and control of the sequential control systems (fast overview)
- Easy to customize the operating station (OS) (fast overview)
- Basic of the message system (fast overview)
- Project planning of group displays and status displays(fast overview)
- The archiving system (fast overview)
- Interlock functions and operating modes (fast overview)
- Bulk data engineering (fast overview)
- Final configuration steps (fast overview)

### Prerequisites

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Basic knowledge of electrical engineering, control and feedback control systems and process control engineering.

### Note

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The course teaching and material language is English. The material is provided for students in electrical form as pdf document.  
Export control AL :N / ECCN: N

### Type

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Face-to-face training

### Duration

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5 days

### Language

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en