SIEMENS

SIMATIC PCS 7 Systems Course (ST-PCS7SYS)

Short Description

PCS7 Systems

Objectives

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 on original SIMATIC PCS 7 training units, you will implement software for the process automation of a plant right up to the HMI level. Features of SIMATIC PCS 7 such as integration of all subsystems, plant-oriented engineering, data management and project management are supplemented by advanced functions that enable efficient and cost-effective engineering.
Utilize the benefits of Totally Integrated Automation (TIA) for yourself and learn how to get an integrated view of your plant!
Because of this integration you will be able to diagnose faults quickly and correct them with safely. In addition, projects can be created in advance in such a way that you can work with multiple application. This enables time-optimized and cost-effective engineering.
After attending the course, you can do the following:
Create a proper PCS 7 multiproject and configure the hardware of AS and PC stations.
Create user programs compliant to PCS 7 standards using the most important tools like CFC, SFC and graphical tools of the PCS 7 engineering toolset.
Bulk engineering using the Import/Export-Assistant
This blended-learning course combines Web-based training on the Internet with a 10-day attendance course: To prepare you for the attendance component, you will receive the Web-based courses (WBTs) "Process control engineering for beginner". This allows you to improve your personal learning achievement in the attendance course.

Target Group

Project manager, Configuring engineers
Programmers
Commissioning engineers
Technologists

Content

System design and component specification
Project setup
Station and network configuration
Connection to the process
Basics control functions
Basics Operating and Monitoring
Implementation of Automatic and Manual Mode Control
Projektierung der Ablaufsteuerung im SFC
Customizing the OS
Archiving System
Locking functions and operating modes
Mass data engineering
Final steps of configuration
User block ¡V attributes and visualization
Demonstration Server-Client System
Syntax Rules
PCS 7 Documentation and Support

Prerequisites

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

Note

This course includes a 4-week Learning Membership for our digital learning platform SITRAIN access. Here you will find web-based trainings on Automation Basic (Curriculum) as well as other topics such as TIA Portal - User interface and many more. With the Learning Membership, you can deepen or repeat the content of this learning event as well as continue your education on other interesting topics.

Type

Face-to-face training

Duration

10 days

Language

en