

SIMATIC PCS neo System Training for Beginners (NEO-BASIC)

Short Description

In this face-to-face course you will learn how to implement the diversity of engineering possibilities with new process control system SIMATIC PCS neo in a structured and efficient way. With the help of descriptive course documentation you will become familiar with the system concept and the general system structure of SIMATIC PCS neo.

Objectives

You will configure the automation hardware including the distributed I/O with digital and analog signals in PCS neo and test the function in a real training device. In so doing, you will become familiar with the functionality for processing digital and analog signals in PCS neo. In addition, you will configure the automation hardware including the distributed I/O with digital and analog signals in PCS neo and test the function with a real training device or in a virtual environment. In so doing, you will become familiar with the functionality for processing digital and analog signals in PCS neo.

After completing the training, you will be able to create, operate and test a simple yet technically correct and functional SIMATIC PCS neo project.

Target Group

Project manager, Configuring engineers
Programmers
Commissioning engineers
Technologists

Content

Basics: System overview, new concepts, installation, certificates

Hardware engineering with AS CPU 410-5H, distributed I/O and PROFINET, engineering station

The first process object: Engineering in CFC with blocks, display in the Monitoring & Control view with block icons and faceplates, downloading the program

Basic automation: Equipment engineering with equipment hierarchy, process objects of the APL, including spreadsheet engineering with queries and Excel

Use of the virtual controller and SIMIT for integrated testing and virtual commissioning

Use of Control Module templates: Templates and template variants

Configuration of sequencers: Elements, interconnections for basic automation

Visualization in Monitoring & Control: Engineering of process displays

User/rights management: User management, access rights for Engineering and Monitoring & Control views

Multiuser engineering with session model: Synchronizing changes, locking objects and areas

Included in the course price: Free access to the digital learning platform [SITRAIN access](#) – starting one week before the start of the course until two weeks after the end of the course. Here you will find web-based trainings on [Name of curriculum or catalog](#) as well as other topics such as [Name of curriculum or catalog](#), [Name of curriculum or catalog](#) 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

Prerequisites

Basic knowledge of electrical engineering, open-loop and closed-loop control as well as process control technology.

Note

The Learning Membership starts 7 days before the start of the course and ends 14 days after the end of the course. During this period, you have access to all of the more than 480 web-based trainings available

Type

Face-to-face training

Duration

5 days

Language

en

Fee

2,930 GBP