

## Siemens SIMATIC PCS neo System Training - Basics V5.0 (NEO-BASIC)

### Short Description

With the help of descriptive course documentation and in combination with accompanying e-learning offers, 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 an imaginary model system step-by-step and commission it virtually. You will learn how to handle the PCS neo engineering tools including SIMIT and the virtual controller on the basis of examples and practical exercises. 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 managers, project team members  
Technologists  
Configuration engineers, programmers  
Commissioning engineers

### 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

### Prerequisites

Knowledge of the basics of process control engineering

### Type

Face-to-face training

### Duration

5 days

### Language

nl