SIEMENS

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

Lyhyt kuvaus

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

Tavoitteet

In this online training you have access to a cloud-based training environment with the help of "PCS neo in the cloud".You will configure the automation hardware including the distributed I/O with digital and analog signals in PCS neo and test the function with virtual 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.

Combine your face-to-face course with web-based trainings on our digital learning platform for industry and thus increase your personal learning success in the face-to-face course. On SITRAIN access you will find, for example, basic knowledge of process control technology, PROFIBUS in process automation, PROFINET or data communication with Industrial Ethernet. But also further topics such as an overview of digitization in process automation or an introduction to SIMIT and the Virtual Controller.

[Click here for more information about SITRAIN access](#)

Kohderyhmä

- Project manager, Configuring engineers
- Programmers
- Commissioning engineers
- Technologists

Sisältö

- 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:
This course includes a 4-week Learning Membership for our digital learning platform [SITRAIN access](#). 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. As an introduction to the digital learning platform, we recommend the following learning path:

[Process Control Technology for Beginners](#)

Edellytykset

Knowledge of the basics of process control engineering

Muistiinpano

The course language is English.

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.

Tyyppi

Online-koulutus

Kesto

5 Päivää

Kieli

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