SIEMENS

SIMATIC S7 Programming 1 (ST-PR01)

Краткое описание

You will reinforce your theoretical knowledge with practical exercises on a TIA plant model. This consists of an S7-300 programmable controller, ET200S distributed I/O, TP 177B Touch Panel, Micromaster 420 drive and a conveyor belt model.

Цели

This course is aimed at users with engineering tasks who want a compact introduction to programming SIMATIC S7. You will get an overview of human machine interfacing, PROFIBUS DP and the integration of drives.
What you learn about Totally Integrated Automation (TIA) will teach you to take a holistic view of your plant and to understand the relationships between the individual components. On completion of the course, you will thus be able not only to structure, create and modify simple SIMATIC S7 programs, but also to make optimal use of the engineering phase through more efficient working with STEP 7.

Целевая группа

Programmers
Commissioning engineers
Engineering personnel

Содержание

System overview of the SIMATIC world and essential performance features of the SIMATIC system family
Components of the STEP7 Basic Package and its use
STEP7 basic operations
STEP7 block types and program structuring
Programming of parameterizable blocks
Data management with data blocks
Programming of organization blocks
Test tools for system information, troubleshooting and diagnostics
Hardware configuration and parameterization of the S7-300 modules, a PROFIBUS DP slave (ET-200S), a Touch Panel (TP 177B) and a drive (MM420)
Program documentation and backup
Deeper understanding of contents through practical exercises on the SIMATIC S7-300 system model.

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 Automation Basic (Curriculum) , 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.

Требования к участнику

Basic knowledge of automation
You can use the online tests to find out whether you have sufficient prior knowledge to participate effectively in the course you wish to attend.

- Online Assessment Test

Примечания

In this course you will work with the SIMATIC STEP 7 V5.x software.

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.

Тип

Очный тренинг

Продолжительность

5 Дн.

Язык

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