SIEMENS

Online-Training - S7 Programming 3 Course (ST-PRO3)

Short Description

This course is directed at personnel engaged in project engineering tasks who would like to become familiar with the complex programming possibilities of SIMATIC S7 (300/400) and who would like to reinforce and build on their knowledge from the previous programming courses. The course uses a 'hands-on' practical approach to reinforce the theoretical aspects of the training.
Also available as Face-To-Face Training

Objectives

On completion of this course the participant will be able to:-
Structure and create complex S7 programs, making it possible to efficiently work with STEP 7 V5.5 and thus reduce the engineering phase.

Target Group

This course is directed at personnel engaged in project engineering tasks who would like to become familiar with the complex programming possibilities of SIMATIC S7 (300/400) and who would like to reinforce and build on their knowledge from the previous programming courses.

Content

Functions, function blocks and multi-instances (with the example of an execution line)
Creating and applying complex data structures
Indirect addressing and address register instructions
Parameter passing using complex data
Error handling for Synchronous and Asynchronous Errors
Administration of a recipe database with HMI
MPI Global Data Communications
MPI Communications using SFC's
S7 Communication via SFB
Introduction to Industrial Ethernet
Introduction to Profinet
Each of the above topic areas are backed up by practical exercises using a system model, consisting of the S7- 300 automation system, the ET200S distributed peripheral, an HMI touch panel, the MM420 drive and a conveyor model. Working examples are provided and tested out during the course.

Prerequisites

The ability to use a MS Windows PC (W7), keyboard and mouse to include opening and closing programs, locating files, copy and paste objects /data (text, etc). Drag and drop files, objects/data (text, etc). Use of menus and multi-menus, manipulation of windows within a multi-window environment. Use of MS Windows Help.
Must have attended the Siemens ST-PRO2 Course and have practical exposure to programming in a project environment.
You can use the online tests below to find out whether you have sufficient prior knowledge to participate effectively in the course you wish to attend. If you answer more than 70 % of the questions correctly you are well prepared to take part in the course.

Test ST-PRO3

Note

Completion of this course satisfies the last part of the examination entry requirements for the Siemens Certified S7 Programmer.
This training course is not appropriate for trainees using S7-200, S7-1200 or S7-1500 based systems. For more information concerning details of S7-200, S7-1200 or S7-1500 training contact Siemens Industry Training on 08458 507600 or our website at www.siemens.co.uk /sitrain.

Type

Online-Training

Duration

5 days

Language

en

Fee

2,810 GBP