SIEMENS

TIA Structured Control Language Course (TIA-SCL)

Short Description

TIA Structured Control Language Course

Objectives

Aims and Objectives

The Totally Integrated Automation Portal (TIA Portal) provides the working environment for end-to-end engineering with SIMATIC STEP 7 and SIMATIC WinCC.
Select this course if you want to program SIMATIC S7 using a high-level programming language.
Using simple examples, we will show you the advantages offered by a high-level programming language.
The course aims to inform participants about the complete language and performance scope of the Structured Control Language (SCL) development environment.
During the training course, you will create, commission, and test your own SCL programs. In this way, you can implement your theoretical knowledge in a direct, hands-on way on a TIA system model, consisting of a SIMATIC S7 automation system, thereby increasing your learning success.
After the course, you will be able to reduce the amount of time spent on creating and maintaining programs through the use of a high-level programming language (SCL) instead of Statement List (AWL).
Create, commission, and test programs in SCL

Content

SCL editor
Program draft
Data types, operations
Formulating functions and function blocks in SCL
Working with tags and symbolic block names
Introduction to the SCL command set
- Creating, commissioning, and testing your own SCL programs

Prerequisites

Successful completion of the TIA-SYSUP, TIA-SERV1 or TIA-PRO1 course.

Type

Face-to-face training

Duration

5 days

Language

en

Fee

19,434 ZAR