

SIEMENS TIA STRUCTURED CONTROL LANGUAGE

COURSE SPECIFICATIONS

Course Code: TIA-SCL

Course Length: 5 Days

PRE-REQUISITES

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

COURSE 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 using a high-level programming language (SCL) instead of Statement List (AWL). Create, commission, and test programs in SCL.

LEARNING OUTLINE

1. SCL Editor
2. Program Draft
3. Data Types, Operations
4. Formulating Functions and Function Blocks in SCL
5. Working with Tags and Symbolic Block Names
6. Introduction to the SCL Command Set
7. Creating, Commissioning, and Testing Your Own SCL Programs

CERTIFICATION

Successful participants will receive an **international Siemens certificate**. Siemens LTD is accredited by **merSETA** to fulfil the functions as contemplated in SAQA regulation 13 for the standards and qualification as detailed in the statement of accreditation.

MERSETA TRAINING PROVIDER

Onetrust Training Solutions has received full accreditation as a **merSETA Training Provider**. (Certification number: 17-QA/ACC/2313/21.) We are in the process of extending our scope of accreditation for most of our individual training courses and skills programmes.

CONTACT DETAILS

Further enquiries may be directed to:

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