

S7 Programming with Statement List (STL) (US-S7STLP2B)

Type

Instructor-led Learning

Duration and Continuing Education Units (CEU)

3.5 Days
2.3 CEUs

Target Group

- Engineer
- Programmer
- Maintenance

Short Description

This course is intended for SIMATIC S7-300/400 PLC users with basic programming experience in designing and sustaining SIMATIC automation systems and associated Statement List application programs.

The Statement List programming course is designed to provide participants with STL programming skills using a blended learning approach utilizing classroom lecture, instructor demonstration and hands-on tasks. These tasks increase Siemens STEP7 Totally Integrated Automation (TIA) skills through the creation of a Siemens TIA project.

Objectives

- Create and troubleshoot basic bit logic operations in a program using LAD, FBD or STL
- Create or troubleshoot a basic STEP7 program written in STL
- Perform basic data moves, conversions and storage using STL
- Open typical system functions and review parameters, assignments and variables
- Use a typical Data Block function for Data management and diagnostics
- Open typical Organization Blocks and understand their use in a structured program
- Configure a typical Analog signal and manage input and output analog data using STL

Content

- Training Units and Addressing
- SIMATIC Manager Review
- Hardware Configuration
- Binary Operations in STL
- Digital Operations in STL
- Data Blocks
- Function Blocks
- Organization Blocks
- Analog Value Processing
- STL Jump and Accumulator Instructions

Mandatory Prerequisites

[S7 Programming 1: US-S7TIAP1C](#)

OR

[S7 Automation Maintenance 2: US-S7300S2C](#)

Language

English

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