

TIA Portal Programming with S7 Graph (SCT-PTGPHP1A)

Global Reference

SIMATIC Programming with S7-GRAPH in the TIA Portal (TIA-GRAPH)

Type

Instructor-led Learning

Duration and Continuing Education Units (CEU)

2 Days
1.3 CEUs

Target Group

- Programmer

Short Description

This course concentrates on the S7 GRAPH programming language with a review of the S7 block architecture focusing on the Function Block and the Instance Data Block. The STEP 7 TIA Portal software tools and S7 GRAPH programming element's structure are introduced within the course to guide the student through the development of a realistic application. The use of test, debug, and diagnostic tools complete the programming exercises. The course is a combination of instruction and hands-on exercises.

Objectives

- Structure and process a program using the program elements of S7 GRAPH
- Create, document, test and troubleshoot an application program
- Identify the components and performance characteristics of an S7 GRAPH structure
- Structure and process a program using the program elements of S7 GRAPH
- Create, document, test and troubleshoot an application program
- Objective 2

Content

- S7 GRAPH Programming Elements
- Principles of S7 GRAPH Programming
- S7 GRAPH Program Structures
- Interaction with Other Program Modules
- Documentations and Storage

Mandatory Prerequisites

[TIA Portal Programming 1: SCT-PTTIAP1A](#)

OR

[TIA Portal Programming 1 - Virtual: SCT-PTOILTIAP1A](#)

OR

[TIA Portal Service 1: SCT-PTTIAS1A](#)

OR

[TIA Portal Service 1 - Virtual: SCT-PTOILTIAS1A](#) AND [TIA Portal Service 2: SCT-PTTIAS2A](#)

Language

English

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