SIEMENS

S7 Graph / PDiag / ProAgent Workshop (ST-7GRAPH)

Type

Instructor-led Learning

Duration and Continuing Education Units (CEU)

2 Days
1.3 CEUs

Target Group

- Programmer
- Engineer

Short Description

This course is for SIMATIC S7-300/400 PLC users involved in developing or sustaining automation systems that use of S7Graph.

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 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

Content

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

Mandatory Prerequisites

S7 Programming 1: US-S7TIAP1C

Language

English