

S7 Programming Part 2 (ST-7PRO2)

Short Description

S7 Programming Part 2

Objectives

Aims and Objectives

Advanced programming techniques. This course is directed at users with engineering experience in the fields of configuring, design & commissioning of SIMATIC S7 programmable controllers. The knowledge & skills acquired in the ST-7PRO1 course will be consolidated & extended to enable the participant to structure & generate & put into operation complex programs. The knowledge provided by this course makes it easier to solve complex programming problems.

Content

Status Bit-Dependent Instructions.
Accumulator Functions & Word logic.
Instruction with REAL numbers.
Indirect addressing & Address Register Instructions.
Structure of Pointers with Memory indirect Addressing.
STEP7 Data types & Variables.
Data Block ARRAY's & STRUCTURES.
Using Libraries & System Functions.
Handling Synchronous & Asynchronous Errors.
Basic & Expanded S7 Communication.
S7-GRAPH, S7-HIGRAPH software packages.
Engineering Tools for S7/M7.
Connection to PTP, PROFIBUS, Industrial Ethernet, Internet.
SIMATIC S7-400 & 400H.
State Graphs, SCL structures.
▪ CFC & SFC editor.

Prerequisites

Successful completion of the ST-7PRO1 Course

Type

Face-to-face training

Duration

5 days

Language

en

Fee

24,474 ZAR