

SIEMENS SIMATIC S7 PROGRAMMING – PART 2

COURSE SPECIFICATIONS

Course Code: ST-7PRO2

Course Length: 5 Days

PRE-REQUISITES

Successful completion of the ST-7PRO1 or ST-7SERV2 courses.

COURSE OBJECTIVES

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

LEARNING OUTLINE

1. Status Bit-Dependent Instructions
2. Accumulator Function and Word Logic
3. Instruction with REAL Numbers
4. Indirect Addressing and Address Register Instructions
5. Structure of Pointers with Memory Indirect Addressing
6. STEP7 Data Types and Variables
7. Data Block Array's and Structures
8. Using Libraries and System Function
9. Handling Synchronous and Asynchronous Errors
10. Basic and Expanded S7 Communication
11. S7-GRAPH, S7-HIGRAPH Software Packages
12. Engineering Tools for S7/M7
13. Connection to PTP, PROFIBUS, Industrial Ethernet, Internet
14. SIMATIC S7-400 and 400h
15. State Graphs, SCL Structures
16. CFC & SFC Editor

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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