

SIEMENS SIMATIC S7 SERVICE & MAINTENANCE – PART 1

COURSE SPECIFICATIONS

Course Code: ST-7SERV1

Course Length: 5 Days

PRE-REQUISITES

ST-PLC INTRO and involvement in PLC maintenance.

COURSE OBJECTIVES

This course is directed at users and maintenance personnel of SIMATIC S7 programmable controllers.

LEARNING OUTLINE

1. The SIMATIC STEP7 System Family
2. STEP 7 Installation Techniques and Components
3. PLC Installation and Wiring Techniques
4. Hardware Handling
5. From Process to Project – The SIMATIC Manager
6. Hardware Configuration and Addressing of Signal Modules
7. CPU Properties
8. Symbolic Notation and Symbols Table Handling
9. LAD/FBD/STL Editor
10. Commissioning and Monitoring/Modifying Variables
11. Linear/Structured Programming Techniques
12. Debugging a Program
13. Binary Operations and Gates
14. Flip Flops
15. Edge Detection
16. Number Formats/Load and Transfer Operations
17. Counters/Timers
18. Digital Operations
19. Rewiring of Programs
20. Documentation Functions, Saving and Archiving
21. Copying a Program to a Memory Card

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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