



# Course Details

**SIMATIC S7**

[siemens.com.my/SIRT](https://siemens.com.my/SIRT)

**SIMATIC S7 SERVICE MAINTENANCE LEVEL1  
(ST-SERV1) 5 days**



**HRDF  
CLAIMABLE  
SBL Scheme**

## Requirements

This course is designed for industry "first responders" to operations controlled with Siemens STEP 7 automated control systems. Participants not requiring programming skills, such as maintenance technicians, electricians, supervisors and others, who need an understanding of their Siemens control system to maximize line uptime, should attend this course. This course also makes a great platform for those new to automation systems and industrial electronics. PLEASE NOTE: If PLC programming as a job skill is required, one may consider the Simatic Programming L1 (ST-PRO1) instead.

## Description / Objectives

This course provides Participants with a solid base of STEP 7 PLC tools and skills necessary for successful system diagnostics and repair. This course is ideal for environments with high uptime requirements and stable control system programs. Fully functional application programs are used as a baseline for the participant to understand key process flow information, diagnostics tools and repair techniques. Build skills and reduce downtime with this focused automation system troubleshooting course.

## Content

- Identify and maintain the components of a typical automation system.
- Understand the basic steps in hardware assembly, cabling, wiring and testing.
- Establish communications with the PLC with multiple technologies.
- Retrieve, Archive, and Download programs.
- Use the hardware configuration editor to inspect and troubleshoot hardware problems.
- Use SIMATIC Manager tools for basic program administration tasks.
- Establish connections to an HMI & Drive system.
- Follow program power/logic flow and interpret/modify basic program elements.

## Target Group

Service/maintenance personnel who install or maintain automation systems

## Contact Information

**SIEMENS MALAYSIA SDN. BHD. (93008-X)**

**HRDF Training Provider ID: 13213/82**

SITRAIN – Digital Industry Academy,  
SITRAIN Training Center  
Level 15-1, CP Tower, No. 11, Jalan 16/11,  
Pusat Dagang Seksyen 16,  
46350 Petaling Jaya, Selangor.



**Helpdesk: 1800 808 8888**

**E-mail: [industry.my@siemens.com](mailto:industry.my@siemens.com)**

**e-Pass: [https://siemens.asia/e-pass\\_v2/ASEAN/main/](https://siemens.asia/e-pass_v2/ASEAN/main/)**

**Website: [siemens.com.my/SIRT](https://siemens.com.my/SIRT)**

## Bank Details

**Bank Name:** Deutsche Bank (M) Bhd

**Bank Account Number :** 0020768000

**Bank Address :** 18th – 20th Floor, Menara IMC 8,  
Jalan Sultan Ismail,  
50250, Kuala Lumpur

**Bank Swift Code :** DEUTMYKLXXX

## Daywise Schedule

Day	Time	Topics
Day – 1	09:00 Hrs – 10:00 Hrs 10:15 Hrs – 12:00 Hrs 13:00 Hrs – 15:00 Hrs 15:15 Hrs – 17:00 Hrs	SIMATIC S7 System Family overview Training Units and Addressing Installation/Maintenance of PLC Practical on the above
Day – 2	09:00 Hrs – 10:00 Hrs 10:15 Hrs – 12:00 Hrs 13:00 Hrs – 15:00 Hrs 15:15 Hrs – 17:00 Hrs	SIMATIC Manager Symbols Hardware Configuration Practical on the above
Day – 3	09:00 Hrs – 10:00 Hrs 10:15 Hrs – 12:00 Hrs 13:00 Hrs – 15:00 Hrs 15:15 Hrs – 17:00 Hrs	Hardware Commissioning Block Architecture and Block Editor Binary Operations Practical on the above
Day – 4	09:00 Hrs – 10:00 Hrs 10:15 Hrs – 12:00 Hrs 13:00 Hrs – 15:00 Hrs 15:15 Hrs – 17:00 Hrs	Digital Operations Introduction to HMI Rewiring a user program Practical on the above
Day – 5	09:00 Hrs – 11:00 Hrs 11:00 Hrs – 12:00 Hrs 12:00 Hrs – 12:30 Hrs	Documentation Practical on the above Feedback & Valedictory session

### Break Timings:

10:00 Hrs – 10:15 Hrs	Morning Tea Break
12:00 Hrs – 13:00 Hrs	Lunch Break
15:00 Hrs – 15:15 Hrs	Afternoon Tea Break
17:00 Hrs – 17:15 Hrs	Recess & End of Day