

Course Details

Process Automation - Simatic PCS7 Course

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Simatic PCS7 System Engineering 1 Course (ST-S7SYSE1 AS) 5 days

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Requirements

Ingenuity for life

This course is designed for controls engineers who are responsible for project design, development and commissioning a S7 system. The goals of this course are to aggressively help the student learn a basic system configuration and project design using standard system tools and libraries. This course begins with the definition of a typical project and planning the system architecture. The students will then actively build, test and debug a simple S7 process system exploring the Automation Station, Engineering Station and Operator Station engineering environments. Hands-on lab exercises are used to build experience with system engineering, process optimization and common troubleshooting.

Please note: Recommended to attend Simatic S7 Service Maintenance Level 1 (ST-SERV1).

Description / Objectives

In this course you will learn how to implement the diversity of engineering possibilities in a structured and efficient way with SIMATIC S7 process control system. By doing exercises on original SIMATIC S7 training units, you will implement software for the process automation of a plant right up to the HMI level.

Features of SIMATIC S7 such as integration of all subsystems, plant-oriented engineering, data management and project management are supplemented by advanced functions that enable efficient and cost-effective engineering.

Utilize the benefits of integrated process automation for yourself and learn how to get an integrated view of your plant!

Because of this integration you will be able to diagnose faults quickly and correct them with safety.

Content

- System design and specification of the components
- Setup up a multiproject
- Configuration of the stations and networks
- Connection to the process
- Basic automation with the APL
- Basic functions for operator control & monitoring
- Implementation of manual and automatic operation

Target Group

Technical/ Maintenance Engineer, Programmers, Project Manager/ Staffs

Contact Information

SIEMENS MALAYSIA SDN. BHD. (93008-X)

HRDF Training Provider ID: 13213/82

Digital Industries,
SITRAIN Training Room,
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46350 Petaling Jaya, Selangor.

Helpdesk: 1800 808 8888

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e-Pass: https://siemens.asia/e-pass_v2/ASEAN/main/

Website: 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 10:00 Hrs – 12:00 Hrs 13:00 Hrs – 15:00 Hrs 15:15 Hrs – 17:00 Hrs	Simatic S7 Overview Documents available by PCS7 Installation Industry Online Support Portal Project Scenario
Day 2	09:00 Hrs – 10:00 Hrs 10:00 Hrs – 12:00 Hrs 13:00 Hrs – 15:00 Hrs 15:15 Hrs – 17:00 Hrs	Process Diagram and functional process System Design and Component Specification Project Setup Simulation Tools
Day 3	09:00 Hrs – 10:00 Hrs 10:00 Hrs – 12:00 Hrs 13:00 Hrs – 15:00 Hrs 15:15 Hrs – 17:00 Hrs	Station and network configuration Connection to the Process Blocks Exercises
Day 4	09:00 Hrs – 10:00 Hrs 10:00 Hrs – 12:00 Hrs 13:00 Hrs – 15:00 Hrs 15:15 Hrs – 17:00 Hrs	Basics control functions Basic APL Basic Operating and monitoring Exercises
Day 5	09:00 Hrs – 10:00 Hrs 10:00 Hrs – 12:00 Hrs 13:00 Hrs – 13:30 Hrs	Basics Automatic Mode Control Exercise Summary and Feedback

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