

# Course Details

Process Automation - SIMATIC PCS7

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

**SIMATIC PCS7 System Engineering Level 2 Course**  
(ST-S7SYSE2 OS) 5 days



HRDF  
CLAIMABLE  
SBL Scheme

## Requirements

This course is intended for controls engineers using PCS7 to develop a process system solution and need an advanced level system configuration and integration skills. Recommended to attend SIMATIC PCS7 System Engineering 1 Course (ST-PCS7SYSE1) and SIMATIC Basic Wincc Scada (ST-BWINCCS).

## Description / Objectives

This is an advanced process control course for engineers. The goals of this course are to aggressively help the student learn advanced level system configuration and project engineering. This course begins with the project configured in the System Engineering Level 1 course and elevates the functionality through advanced Engineering Station programming, Operator Station graphics development and, Automation Station hardware integration.

Participants will use "best practice" project design and management techniques to configure a typical process application. Bulk engineering tools and advanced editing skills are introduced. Custom graphics and library blocks using Structured Control Language (SCL) will be introduced providing skills to customize a system to meet customer specific requirements. Advanced level system administrative tasks will be

explored providing an opportunity for a comprehensive experience in engineering, troubleshooting and system integration.

### Content

- Customization of the OS
- Configure custom blocks using SCL
- Configure custom graphics
- Archiving system
- Interlock functions and operating modes
- Bulk data engineering
- Creation of your own function blocks

### Target Group

Configuration engineers/ Programmers/ Commissioning engineers/ Technologists

### Contact Information

SIEMENS MALAYSIA SDN. BHD. (93008-X)  
HRDF Training Provider ID: 13213/82

Digital Industries,  
SITRAIN Training Room, *Ingenuity for life*  
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 10:00 Hrs – 12:00 Hrs 13:00 Hrs – 15:00 Hrs 15:15 Hrs – 17:00 Hrs	Customizing the OS WinCC Basic Objects Archiving System Archive configuration
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	Locking functions Operating modes Mass Data Engineering Exercises
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	Final steps of Configuration Connection Configuration in Run Simulation Forcing clock I/Os
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	User Blocks Overview SCL basics Visualization Demonstration Server-Client System
Day 5	09:00 Hrs – 10:00 Hrs 10:00 Hrs – 12:00 Hrs 12:00 Hrs – 12:30 Hrs	Syntac Rules 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