

## SIMATIC PCS 7 OS-Engineering (ST-PCS7OSE)

---

### Type

---

Instructor-led Learning

### Duration and Continuing Education Units (CEU)

---

4.5 Days  
3 CEUs

### Target Group

---

- Other
- Maintenance
- Programmer
- Operator

### Short Description

---

This is an advanced OS engineering course designed for experienced PCS 7 users, engineers and Solution Partners. The goals of this course are to enhance the student's skill-set by exploring advanced OS configuration topics and solutions to common application problems. This course begins with an existing AS project and a brief but thorough introduction to it. Using this "base" project and advanced programming techniques, various OS architectures will be added. OS graphic development will include "best practice" methods as well as advanced topics such as C-script, VB script, Faceplate functionality and custom solutions. Students will use recommended project design and management techniques to build a typical OS solution. In addition students will employ advanced Multi-project and Multi-engineering techniques. Advanced OS architectures such as OS redundancy, Web Server/Client and PH will be examined in a clear concise manor. Advanced AS integration will also be addressed throughout this course to provide solutions to common interface challenges. Archive strategy, configuration and implementation will be thoroughly explored. Various diagnostic aids and troubleshooting methods will be employed throughout the presentation of this course.

### Objectives

---

- Perform a typical process system configuration
- Configure a fully functioning PCS7 OS project
- Configure and use SIMATIC Logon
- Configure Autostart for all OS stations
- Create and configure custom graphics as well as custom faceplates
- Create and configure various PCS 7 architectures including Server/Client, Redundant Server, Web Server/Client and Multi-project setup
- Setup and use OS Simulation

### Content

---

- Introduction to training
- PCS 7 Documentation and Online Support
- Basics of OS configuration
- The Client/Server Configuration
- The Server Redundancy
- Extended Configuration of Multi-user Projects

- The Web Option
- Long-term Archiving
- Graphic Configuration
- The Graphic Object Update Wizard
- Syntax Rules

## Language

---

English

---

Course descriptions are Siemens Intellectual Property and copyright protected. Do not modify without written permission from SITRAIN US. ©2023 Siemens Industry, Inc.