

## SIMATIC PCS 7 Systems Course (ST-PCS7SYS)

### Short Description

PCS7 Systems

### Objectives

In this course you will learn how to implement the diversity of engineering possibilities in a structured and efficient way with SIMATIC PCS 7 process control system. By doing exercises on original SIMATIC PCS 7 training units, you will implement software for the process automation of a plant right up to the HMI level. Features of SIMATIC PCS 7 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 Totally Integrated Automation (TIA) 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. In addition, projects can be created in advance in such a way that you can work with multiple application. This enables time-optimized and cost-effective engineering.

After attending the course, you can do the following:

Create a proper PCS 7 multiproject and configure the hardware of AS and PC stations.

Create user programs compliant to PCS 7 standards using the most important tools like CFC, SFC and graphical tools of the PCS 7 engineering toolset.

Bulk engineering using the Import/Export-Assistant

This blended-learning course combines Web-based training on the Internet with a 10-day attendance course: To prepare you for the attendance component, you will receive the Web-based courses (WBTs) "Process control engineering for beginner". This allows you to improve your personal learning achievement in the attendance course.

### Target Group

Project manager, Configuring engineers

Programmers

Commissioning engineers

Technologists

### Content

System design and component specification

Project setup

Station and network configuration

Connection to the process

Basics control functions

Basics Operating and Monitoring

Implementation of Automatic and Manual Mode Control

Projektierung der Ablaufsteuerung im SFC

Customizing the OS

Archiving System

Locking functions and operating modes

Mass data engineering

Final steps of configuration

User block  $\pi$ V attributes and visualization

Demonstration Server-Client System

Syntax Rules

PCS 7 Documentation and Support

### Prerequisites

Basic knowledge of electrical engineering, control and feedback control systems and process control engineering

### Type

Face-to-face training

### Duration

10 days

### Language

en

### Fee

47,161 ZAR