

SIMATIC STEP 7 BASIC

Code: SIEM_S_01

DESCRIPTION/OBJECTIVES

This course teaches you to assemble, configure and adjust a series Simatic S7 300/400 PLC.

You learn how to program in different languages. Besides, the course offers techniques for successfully applying the diagnostic and troubleshooting tools.

An introduction to industrial networks (Profibus DP) and the integration of a HMI device completes the course content.

The theoretical knowledge is complemented by numerous practical exercises, carried out on real PLCs available in the training site, as well as on the simulators.



CONTENT

- Overview of Simatic controllers
- Structure and operation of a PLC
- The Simatic Manager
- The Hardware Configurator Tool (HW Config)
- Offline/Online Views
- The symbols
- The data types (variables) in Step 7
- Blocks: OB, FC, FB, DB, SFC, SFB
- Programming with boolean instructions
- Programming with numerical instructions
- Datablocks
- Types of memory: I/O, global, local
- Blocks adjusting
- Decentralized periphery (Profibus DP)
- HMI operator panel with WinCC Flexible
- Organization Blocks OB
- Error detection and correction

AUDIENCE:

People interested in learning how to make proficient usage of Simatic 300/400 PLCs.

Engineers, technicians, electricians, students, operators, maintenance personnel, ...

REGIME

Intensive: **28 hours (4 days)**

The time line and schedule can also be determined according to the customer's convenience.

REQUIREMENTS:

Basic knowledge of electricity, electronics and/or boolean logic.

AVAILABLE SOFTWARE/HARDWARE

- Simatic Step 7 V5.4 or greater
- WinCC Flexible 2008 SP 3 or greater
- Simatic S7-300 models 315-2DP and 315-2PN/DP
- Centralized periphery: digital I/O; analog I/O

SCHEDULE:

Please **consult**

INVESTMENT:

Please **consult** for getting a quotation

Details for reservation:

Course: Simatic S7 basic

Code : SIEM_S_01

Duration: 28 hours (4 days)

Place: In Company at the customer's facilities

Investment: please consult

Contact: +34 685 059834 in Europe; +507 399 5634/+507 399 5635 in South America

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YOUR CONTACT

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This course is also offered in the following languages:



ESPAÑOL



DEUTSCH



Important notice: at the moment, all of our courses are given only
“In Company”, i.e., in the customer’s facilities

