SIEMENS

SIMATIC S7-1200 System course(based on TIA Portal) / SIMATIC S7-1200 系统课程（基于 TIA 博途）(A7115)

Objectives

In this course, we teach you the handling of the TIA Portal, basic knowledge about the structure of the SIMATIC S7-1200 automation system, configuration and parameterization of hardware, and the basics of programming. You will learn how to clear simple hardware faults and software errors in the SIMATIC S7-1200 automation system and to create, modify and expand small STEP 7 programs. You will thus be capable of reducing downtime. You will also get an overview on operator control and monitoring. You can deepen your theoretical knowledge with numerous practical exercises on a TIA system model.

Target Group

service personnel, operators, users, maintenance personnel, programmers, commissioning engineers, configuring engineers

Content

- Overview and significant performance characteristics of the SIMATIC S7-1200 system family
- The components of the TIA Portal: SIMATIC STEP 7 Basic and WinCC Basic
- Device and network
- Program block and block editor
- Binary and digital operations
- Analog value processing
- Possible applications of various block types (FC, FB, OB, DB)
- Presentation of the SCL programming language
- Commissioning of distributed I/O on PROFINET IO
- Introduction to the Touch panel
- Diagnostic functions of the TIA Portal in the SIMATIC S7-1200 automation system
- Deeper understanding of contents through practical exercises on TIA system model

Prerequisites

Basic knowledge of automation technology

Type

Face-to-face training

Duration

5 days

Language

en, zh

Fee

6,000 CNY