

SIMATIC S7-1500 System, Service & Programming Plus Course (based on TIA Portal) / SIMATIC S7-1500 系统、维护与编程综合课程(基于TIA博途) (A7811)

Objectives

This comprehensive course is about the characteristics of SIMATIC S7-1500 and TIA. It provides not only the entire information about design, installation, programming, commissioning and trouble shooting of S7-1500 automation system, but also integration of S7-1500 with ET200, HMI and drive. This course is not only designed for users working in the fields of operation, maintenance and installation, but also for users with engineering experience in the fields of configuring, design and commissioning of SIMATIC S7 programmable controllers.

Target Group

service personnel, operators, users, maintenance personnel

Content

- Overview and significant performance characteristics of the SIMATIC S7 system family
- The components of the TIA Portal: STEP 7, WinCC, communication
- Program execution in automation systems
- Setup and assembly of the automation system
- S7-1500 hardware configuration and parameterization
- Binary and digital operations
- Possible applications of various block types (function (FC), function block (FB), organization block (OB), data block (DB))
- Principles of analog value processing
- Hardware and software commissioning and diagnostic functions of the SIMATIC S7 automation system with the TIA Portal
- Setup, parameterization and Commissioning of distributed I/O on PROFINET IO
- Integration with HMI
- Integration with Drive
- Deeper understanding of contents through practical exercises on TIA system model

Prerequisites

Basic knowledge of automation technology

Type

Face-to-face training

Duration

10 days

Language

zh

Fee

13,000 CNY