

## Design and Programming of SIMATIC S7-300F Distributed Safety / SIMATIC S7 分布式安全系统的调试与编程（基于STEP7 V5.x）（A7122）

### Objectives

In this course, you will learn about configuring, programming, starting up, diagnosing and troubleshooting of F systems. These include the failsafe CPUs of the SIMATIC 300 and 400 series (no H system) and the failsafe, distributed ET200 systems. Your theoretical knowledge will be put into practices of Distributed Safety software. The course provides an introduction to the creation of safety-related programs in the programming languages F-FBD and F-LAD.

### Target Group

programming, commissioning and configuring engineers

### Content

- Overview and guidelines
- AS S7-300F (principle, system configuration and I/O)
- Configuring of the failsafe I/O with Distributed Safety
- Programming of a safety-related user program
- Failsafe communication PROFIsafe (CPU-CPU communication, master-slave communication)
- Diagnostics facilities (CPU diagnostics, I/O diagnostics, advanced diagnostics)
- Exercises for I/O configuration, communication, troubleshooting

### Prerequisites

Completion of course A7111

### Type

Face-to-face training

### Duration

3 days

### Language

en, zh

### Fee

4,300 CNY