SIEMENS

Online-Training - Programming Fail-Safe Controllers with STEP 7 Safety in TIA Portal (TIA-SAFETY)

Short Description

In this online training, you will learn about configuring, programming, commissioning, diagnosing and troubleshooting fail-safe SIMATIC controllers and fail-safe, distributed ET 200 systems. In our virtual exercise environment VE Lab you will put your theoretical knowledge to use with the STEP 7 Safety software in TIA Portal.

Objectives

After attending the course, you can do the following:
- Commissioning fail-safe SIMATIC controllers
- Programming of safety-related programs in the languages FBD and LAD
- Diagnosing and troubleshooting of safety-related systems and programs

You will deepen your theoretical knowledge through numerous practice-oriented exercises in our virtual exercise environment (VE Lab).

Target Group

- Programmers
- Commissioning engineers
- Engineering personnel

Content

- Overview and guidelines
- Product overview and operating principle Safety Integrated
- Configuring of the fail-safe components with STEP 7 Safety in TIA Portal
- Programming of a safety program
- Programming tips according to Programming Guideline Safety for SIMATIC S7-1200/1500
- Diagnostics facilities (CPU diagnostics, I/O diagnostics, advanced diagnostics)

Prerequisites

- Basic knowledge of SIMATIC S7 according to the course TIA-PRO1 or TIA-SERV1.
- Technical requirements

So you may assure that the course of your choice fits to your competences an online entrance test is available for you.

Note

In this course you will work with the SIMATIC STEP 7 Safety software in TIA Portal.

Additionally you have the opportunity to take an examination and receive certification on a separate date. You'll find further information and the registration at CPT-TIASAF.

Type

Online-Training

Duration

3 days

Language

en