

## Online-Training - SIMIT in Discrete Automation Technology for Beginners (DI-SIMITFA)

### Short Description

SIMIT enables the comprehensive simulation of machine and plant behavior for virtual commissioning. With the help of the components integrated in SIMIT, you can test your PLC code to thereby produce the highest quality and establish your new products on the market much faster.

In order to provide you with the best possible support and training in your personal learning environment (own office/home office), we have implemented selected courses as digital online trainings for you. We provide you with live theory lectures from our experts, which convey the course content described in the learning objectives in a practical and comprehensive manner, utilizing our virtual exercise environment for practical exercises. In our virtual classroom, our expert is also available to you at any time during your individual practical exercises for in-depth questions and technical discussions.

[Also available as face-to-face training](#)

### Objectives

This course gives you an overview of the functions and libraries of the SIMIT simulation software.

Using practical examples, you will learn step-by-step how to design simulations/models for testing automation software.

The perfect interaction of all components integrated in SIMIT enables you to sustainably produce more with top quality and establish your new products on the market much faster.

After attending the course, you will be able to:

- create your own components and templates
- create a simulation for the PLC Programm
- set up the couplings between the simulation in SIMIT and PLCSIM Advanced

### Target Group

Project managers  
Project workers  
Programmers  
Configuration engineers

### Content

Introduction to SIMIT  
Introduction to Digital Twin  
General information about SIMIT  
Representation of the three simulation levels and how they work  
Simulating signal, device and process levels  
Connection to PLCSIM Advanced  
Connection to NX MCD  
Creating your own components with the Component Type Editor  
Creating templates and effective engineering through import functions  
Working with the CONTEC library provided by SIMIT

### Prerequisites

Basic knowledge of automation technology  
Practical experience in SIMATIC TIA Portal configuration, equal to the courses TIA-PRO2 of TIA-SYSUP

- [Technical requirements](#) > VE Lab

### Type

Online-Training

### Duration

3 days

### Language

en