

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

### Descrição resumida

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.

### Objetivos

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

### Grupo alvo

Project managers  
Project workers  
Programmers  
Configuration engineers

### Conteúdo

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

This course includes a 4-week Learning Membership for our digital learning platform [SITRAIN access](#). Here you will find web-based trainings on [Digital Enterprise](#) and many more. With the Learning Membership, you can deepen or repeat the content of this learning event as well as continue your education on other interesting topics.

### Pré-requisitos

- Basic knowledge of automation technology
- Practical experience in SIMATIC TIA Portal configuration, vergleichbar mit TIA-PRO2 oder TIA-SYSUP

### Observações

The Learning Membership starts 7 days before the start of the course and ends 14 days after the end of the course. During this period, you have access to all of the more than 480 web-based trainings available.

### Tipo

Treinamento presencial

### Duração

3 dias

### Idioma

en