

SCE Course Contents

Siemens Automation Cooperates
with Education (SCE) | 11/2020

[siemens.com/sce](https://www.siemens.com/sce)

2 days

Application for Industrie 4.0 Industrial Networking PROFINET / IO-Link / RFID with the TIA Portal

Prerequisites

- Basic knowledge of Windows PC
- Basic course SIMATIC S7 with TIA Portal

SCE Learn-/Training Documents

- Hardware configuration S7-1500 module: 012-100
- RFID Sensor Technology with RF210R IO-Link, ET 200SP and SIMATIC S7-1500 module: 102-101

Contents

- Industrie 4.0 - Driving the Digital Enterprise
- Networking with Industrial Ethernet and PROFINET
- Bus configuration and network structure of PROFINET
- Commissioning of PROFINET (I/O controller and I/O device) with the TIA Portal
- Topology, network diagnostics in the TIA Portal
- Intelligent connection of sensors and switchgear with IO-Link
- Commissioning of IO-Link on PROFINET with ET 200SP

- RFID sensor technology
- Commissioning of RFID sensor RF 210R on IO-Link
- Integrated diagnostics for PROFINET / IO-Link / RFID

Note:

These Learn-/Training Documents are available in the SCE Internet:

[siemens.com/sce/module](https://www.siemens.com/sce/module)

This program serves as the reference and guideline for the course, in which we place great value on practical exercises and application examples.

We will of course be pleased to cover any individual suggestions, requests and questions from participants during the event.

Additional SCE courses are available in the SCE Internet:

[siemens.com/sce/courses](https://www.siemens.com/sce/courses)

Increase your automation technology expertise and inspire your students.

