

Siemens Automation Cooperates with Education (SCE) | 02/2026

SCE Course Contents

Process Visualization with SIMATIC WinCC Advanced
and SIMATIC S7-1500 in the TIA Portal

TIA Portal course

2 days

Prerequisites

- Basic knowledge of Windows PC
- Advance Course SIMATIC S7 with TIA Portal

SCE Learn-/Training Documents

- WinCC Advanced with TP700 Comfort and SIMATIC S7 module: 042-201

Contents

- Visualization systems in automation engineering
- Process control system with SIMATIC WinCC Advanced and TIA Portal
- System description
- Project structure
- Creating a process control system with SIMATIC WinCC Advanced
- Starting WinCC Advanced and creating projects
- Specifying the tag management

- Creating process pictures
- Controlling process values and representing process values
- Setting the Runtime properties of the computer/panel and starting Runtime
- Integrating graphics with SIMATIC WinCC Advanced
- Archiving and displaying measured values with WinCC Advanced
- Alarm logging system of SIMATIC WinCC Advanced

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.

