

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

# SCE Course Contents

Process Visualization with SIMATIC WinCC Basic  
and SIMATIC S7-1200 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 Basic with KTP700 Basic and SIMATIC S7-1200 module: 041-101

## Contents

- Visualization systems in automation engineering
- Process control system with SIMATIC WinCC Basic and TIA Portal
- System description
- Project structure
- Creating a process control system with SIMATIC WinCC Basic

- Starting WinCC Basic 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 Basic
- Archiving and displaying measured values with WinCC Basic
- Alarm logging of SIMATIC WinCC Basic

**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.***

