

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

# SCE Course Contents

Basics of CNC technology with SinuTrain

SinuTrain course

2 days

## Prerequisites

- Basic knowledge of Windows PC
- Basic knowledge of NC technology

## SCE Learn-/Training Documents

- CNC technology modules: 700-010 | 700-020 | 700-030

## Contents

- Basic concept and configuration versions of SinuTrain as training software for SINUMERIK controllers
- Handling of control components of SinuTrain
- Manual functions and screen layout
- Setup and measuring of tools
- Work offsets
- Practical commissioning of the machine tool

- Part program management and program editor
- Creating a simple workpiece according to DIN 66025
- Programming DIN standard cycles with SinuTrain
- Simulation functions in SinuTrain
- Machining of the workpiece with the machine tool
- Special characteristics of SHOPMILL and SHOPTURN
- Work step programming
- Program creation with the contour calculator
- CAD reader
- Data backup and data transmission
- Programming milling parts with SHOPMILL
- Programming lathed parts with SHOPTURN

**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.***

