



Siemens Automation Cooperates with Education (SCE) | 02/2023

SCE Quick Links

SIEMENS

Topics

Siemens SCE siemens.com/sce	Digital Enterprise siemens.com/digital-enterprise	Discover SIMIT Simulation support.industry.siemens.com/cs/ww/en/view/101298066
SCE SIOS Learning Packages siemens.com/sce/lp	Totally Integrated Automation (TIA) siemens.com/tia	SIMIT Simulation Software support.industry.siemens.com/cs/de/en/ps/17120/dl
SCE Learning & Training Documents siemens.com/sce/documents	TIA Portal siemens.com/tia-portal	SIMATIC Technical Documentation siemens.com/simatic-docu
SCE Trainer Packages siemens.com/sce/tp	TIA Selection Tool siemens.com/tia/tia-selection-tool	Support Inquiries ↗
SCE Trial Software/Firmware siemens.com/sce/support	SIMATIC Controllers siemens.com/controller	MindSphere Academia Inquiries ↗ siemens.mindsphere.io/en/product-description-overview/mindsphere-academia
SCE Contact Partners siemens.com/sce/contact	Webinars siemens.com/sce/webinars	PLM Academic Inquiries ↗ plm.automation.siemens.com/global/de/our-story/partners/academic/educator/
SCE WorldSkills siemens.com/worldskills	Use Cases siemens.com/sce/usecases	SiePortal – Siemens Industry Mall & Online Support siemens.com/sieportal

Quick Links

1. **Digital learning modules** (theory documents, learning videos, interactive call-to-action learning videos as well as projects)

- 1.1 [Basic Course TIA Factory Automation with SIMIT](#)
- 1.2 [Basic Course TIA Factory Automation with SIMIT and NX MCD](#)
- 1.3 [Advanced Course Digital Twin](#)

2. **Learning & Training Documents** (Step-by-step instructions via Word or PDF document incl. projects and check lists)

- 2.1 [TIA Portal Modules](#)
- 2.2 [PCS 7 Modules](#)
- 2.3 [CNC Modules](#)
- 2.4 [LOGO! Modules](#)

1. Digital Learning Modules (Learning Videos, Calls-to-Action)

SCE learning modules as learning packages → [Download in SIOS](#) ↗

1.1 Basic Course Factory Automation with SIMIT



TIA Portal, SIMATIC S7-1200/1500 Overview

support.industry.siemens.com/cs/de/en/view/65601780

Getting Started

siemens.com/global/en/company/sustainability/education/sce/technical-support.html#GettingStartedWBT

TIA Portal Website

siemens.com/global/en/products/automation/industry-software/automation-software/tia-portal.html

Further quick links → [TIA Portal Modules](#)

1.2 Basic Course TIA Factory Automation with SIMIT and NX MCD



TIA Portal, SIMATIC S7-1200/1500 Overview

support.industry.siemens.com/cs/de/en/view/65601780

Getting Started

siemens.com/de/de/unternehmen/nachhaltigkeit/ausbildung/sce/technischer-support.html#GettingStartedWBT

TIA Portal Website

siemens.com/global/en/products/automation/industry-software/automation-software/tia-portal.html

PLM Software

plm.automation.siemens.com/global/de/our-story/partners/academic/educator/

Further quick links → [TIA Portal Modules](#)

1.3 Advanced Course Digital Twin



Digital Twin

siemens.de/sce/digitwin

PLM Software

plm.automation.siemens.com/global/de/our-story/partners/academic/educator/

2. Learning & Training Documents

SCE Learning & Training Documents → [Download from SCE Internet](#) ↗

2.1 TIA Portal Modules



010 Hardware- configuration	020 Example processes with SIMIT models	030 Basics of PLC programming	040 Visualization	050 Enhanced programming	060 Drives	090 Enhanced communicat ion	100 RFID
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TIA Portal Videos

support.industry.siemens.com/cs/ww/en/view/109767570

TIA Portal, SIMATIC S7-1200/1500 Overview

support.industry.siemens.com/cs/de/en/view/65601780

TIA Portal Tutorial Center

support.industry.siemens.com/cs/ww/en/view/106656707

Easy Introduction into SIMATIC S7-1200

support.industry.siemens.com/cs/ww/en/view/35923253

Technical Documentation SIMATIC Controllers

support.industry.siemens.com/cs/ww/en/view/109744173

Getting Started

siemens.com/global/en/company/sustainability/education/sce/technical-support.html#GettingStartedWBT

Programming Guideline

support.industry.siemens.com/cs/ww/en/view/81318674

Download Trial Software/Firmware

siemens.com/global/en/company/sustainability/education/sce/technical-support.html#TrialSoftwareFirmware

Industry Online Support App

support.industry.siemens.com/cs/start?lc=en-WW

SIMATIC S7-1200 Website

siemens.com/global/en/products/automation/systems/industrial/plcs7-1200.html

060 Drives

SINAMICS Tutorial – Digital Drive Twins

siemens.com/global/en/products/drives/digitalization-in-drive-technology/virtualization.html

TIA Portal Videos

support.industry.siemens.com/cs/ww/en/view/109767570

070 Safety**Application manual – SIRIUS Safety Integrated**support.industry.siemens.com/cs/de/en/view/81366718**Safety Website**siemens.com/global/en/products/automation/topic-areas/safety-integrated.html**Safety Learning Module - Machine Safety**support.industry.siemens.com/cs/de/en/view/109481791**090 Enhanced communication****SIMATIC S7-1500/ET 200MP Manual Collection**support.industry.siemens.com/cs/ww/en/view/86140384**SIMATIC S7-1500, ET 200MP, ET 200SP, ET 200AL, ET 200pro Communication**support.industry.siemens.com/cs/ww/en/view/59192925**Network and Communication Diagnostics**support.industry.siemens.com/cs/ww/en/view/21566216**SIMATIC PROFINET with STEP 7**support.industry.siemens.com/cs/ww/en/view/49948856**Library for PROFINET Data Records**support.industry.siemens.com/cs/ww/en/view/109753067**OPC UA Client Library**support.industry.siemens.com/cs/ww/en/view/109748892**Creating OPC UA Clients with .NET and Helper Class**support.industry.siemens.com/cs/ww/en/view/109737901**Siemens OPC UA Modeling Editor (SiOME) for the Implementation of OPC UA Companion Specifications**support.industry.siemens.com/cs/ww/en/view/109755133**OPC UA Methods for the SIMATIC S7-1500 OPC UA Server**support.industry.siemens.com/cs/ww/en/view/109756885**How do I obtain the OPC UA tag nodes of the PLC tags of an S7-1500 OPC UA server to address them offline in an OPC UA client?**support.industry.siemens.com/cs/ww/en/view/109742903**100 RFID Systems****RFID Systems Videos**support.industry.siemens.com/cs/search?t=all&search=RFID%20Videos&type=ProductSupport%2CExampleOfUse%2CCatalog%2CCertificate%2CCharacteristic%2CDownload%2CFAQ%2CManual%2CProductNote%2CDownloadSoftwareArchive%2CForum&lc=en-DE**RFID Systems Applications**support.industry.siemens.com/cs/search?t=all&search=Anwendungsbeispiele%2ORFID&type=ProductSupport%2CExampleOfUse%2CCatalog%2CCertificate%2CCharacteristic%2CDownload%2CFAQ%2CManual%2CProductNote%2CDownloadSoftwareArchive%2CForum&lc=en-DE**RFID Systems Forum**support.industry.siemens.com/forum/de/en/threads/183/**RFID Systems Technical Documentation**support.industry.siemens.com/cs/search?t=all&search=Dokumentation%20f%C3%BCr%2ORFID&type=ProductSupport%2CExampleOfUse%2CCatalog%2CCertificate%2CCharacteristic%2CDownload%2CFAQ%2CManual%2CProductNote%2CDownloadSoftwareArchive%2CForum&lc=en-DE**Industrial Identification Website**siemens.com/global/en/products/automation/industrial-identification.html**RFID Website**siemens.com/global/en/products/automation/industrial-identification/rfid-systems.html

PCS 7 Modules → [Download from SCE Internet](#)

2.2 PCS 7 Modules



500 Process Automation (PA) – Tertiary Education Documents V9.0

PCS 7 Overview

support.industry.siemens.com/cs/ww/en/view/63481413

PCS 7 Videos

siemens.com/global/en/products/automation/process-control/simatic-pcs-7/engineering-system.html

PCS 7 Technical Documentation

siemens.com/global/en/products/automation/process-control/simatic-pcs-7/technical-documentation.html

PCS 7 Application Examples

support.industry.siemens.com/cs/ww/en/ps/16933/ae

S7-400 Website

siemens.com/global/en/products/automation/systems/industrial/plc/simatic-s7-400.html

PCS 7 Website

siemens.com/global/en/products/automation/process-control/simatic-pcs-7.html

CNC Modules → [Download from SCE Internet](#)

2.3 CNC Modules



700 CNC Modules

CNC/SINUMERIK Videos and Tutorials

siemens.com/global/en/markets/machinebuilding/machine-tools/cnc4you/cnc4you-videos.html

CNC/SINUMERIK Tutorials, Tips and Tricks

siemens.com/global/en/markets/machinebuilding/machine-tools/cnc4you/cnc4you-videos/ttt-gen.html

CNC SinuTrain Download Training Software

siemens.com/global/en/markets/machinebuilding/machine-tools/cnc4you/sinutrain-uebersicht.html

CNC Downloads, Manuals, Tools, Apps

siemens.com/global/en/markets/machinebuilding/machine-tools/cnc4you/cnc-downloads.html

CNC/SINUMERIK Web-based Training Courses; Tutorials and Webinars

siemens.com/global/en/markets/machinebuilding/machine-tools/cnc4you/education-training/wbt.html

CNC4you Website

siemens.com/cnc4you

SinuTrain Website

siemens.com/sinutrain

Siemens Mechatronic Systems Certification Program Website

siemens.com/global/en/products/services/digital-enterprise-services/training-services/sitrain/smscp.html

LOGO! Modules → [Download from SCE Internet](#) ↗

2.4 LOGO! Modules



900 LOGO! Module

LOGO! Web Based Training

support.industry.siemens.com/cs/ww/en/view/109757017

LOGO! Cloud Connected (Webinar)

siemens.com/global/en/company/fairs-events/webinars.html

Easy Introduction into LOGO!

support.industry.siemens.com/cs/ww/en/view/35923253

LOGO! Tips and Tricks (Video)

support.industry.siemens.com/cs/ww/en/view/109740519

LOGO! Download Trial Software/Firmware

siemens.com/global/en/company/sustainability/education/sce/technical-support.html#TrialSoftwareFirmware

LOGO! Application Examples

siemens.com/global/en/products/automation/systems/industrial/plc/logo/logo-application-examples.html

LOGO! Technical Documentation

support.industry.siemens.com/cs/ww/en/view/109744222

LOGO! Website

siemens.com/loqo