SIEMENS

Siemens S7 Certified Service Technician Level 1 (US-S7SVCR2A)

Type

Instructor-led Learning

Duration and Continuing Education Units (CEU)

5 Days
3.3 CEUs

Target Group

- Engineer
- Programmer

Short Description

This course is for SIMATIC S7-300/400 PLC users with basic engineering experience in the design and sustaining of SIMATIC automation systems and their application programs.

Automation engineering and technology advancement towards Totally Integrated Automation solutions no longer exclusively include programmable logic controllers (PLCs). Today it also includes industrial communication, operator control and monitoring, security technology and the connection of drives. We offer this test to qualify as a level one, Siemens certified SIMATIC technician.

Objectives

- Troubleshoot an automation system consisting of SIMATIC S7 PLC, distributed I/O, Touch Panel, drive, and a conveyor belt model
- Identify hardware and software diagnostic functions
- Troubleshoot errors/faults in PLCs and distributed I/O
- Configure and assign parameters to modules with diagnostics
- Service digital and analog signal processing
- Put certain blocks into operation and expand the Industrial communication
- Commission distributed I/O
- Configure HMI screens
- Configure messages
- Commission a drive
- Take the Siemens S7 Certified Service Technician Level 1 Test

Content

- SIMATIC controller servicing
- Industrial communication: Commission distributed I/O
- Human Machine Interface (HMI)
- Motion control: Commission a drive
- Deeper understanding of contents through practical exercises on the SIMATIC S7-300 system model
- Siemens S7 Certified Service Technician Level 1 Test

Mandatory Prerequisites

S7 Automation Maintenance 1: US-S7300S1C AND S7 Automation Maintenance 2: US-S7300S2C

Language

English