

SINUMERIK CNC TRAINING

Level 4: Flexible NC programming online, instructor-led

High-level macro programming for machine tool programmers, operators and users

Upon completion of the course, participants will be able to create custom cycles and logic-based programs using the programGUIDE user interface.

Requirements

Advanced knowledge of NC G-code programming is required, as well as a PC to login daily, and SINUTRAIN software, which will be provided at no cost to the participant.

Class specifics

The class sessions will be a combination of instructor-led lecture followed by joint class exercises. Each session will be approximately 4-hours in length. At the end of each day, participants will be given a homework assignment that will be reviewed the following morning.

Target group

Machine tool builders, dealers and advanced end-users who require the ability to create advanced macro programs and /or custom cycles.

Content

- Introduction to flexible NC (macro) programming
- Introduction to system variables
- Creation and use of sub-programs
- Utilizing R-variable
- Program jumps and user variables
- Introduction and use of logic statements
- Creation of a custom cycle with PROC functionality
- Creation of advanced cycles with error trapping and logic statements

Course details

Length	5 days, 4-hour sessions
Daily sessions	30-minute review followed by 3½ hours of new content instruction
Location	online, instructor-led
Registration	usa.siemens.com/cnc-training
Capacity	12 participants
Cost	There is no fee for the workshop. A Windows 10 computer with speakers and /or headset plus a microphone are required. We will provide a trial version of SINUTRAIN for use on your computer.