SIEMENS

SINUMERIK Basics (NC-BASIC-P)

Short Description

In this course, you will learn the fundamentals of CNC technology and SINUMERIK. Practical exercises on our training equipment are an important part of the training.

Objectives

In this course, you will learn the fundamentals of CNC technology and SINUMERIK. Practical exercises on our training equipment are an important part of the training.
After completing the course, you will understand the structure and operating principles of a machine tool with CNC control and drives. You will have a solid foundation for successfully applying your knowledge in operation. With a fundamental understanding of the system, you will be able to describe problems on your machine tool in a differentiated way and solve them together with your partners.
The content covered in this course is a prerequisite for attending our advanced SINUMERIK service and commissioning courses.
Participants are recommended to attend the follow-up courses only after 2 to 4 months.

Target Group

Commissioning engineers
Engineering personnel
Service personnel
Maintenance personnel
Sales personnel for SINUMERIK systems

Content

Structure and tasks of a CNC control
Components of a machine tool
Operating modes and operator functions
Fundamentals of part programming
Meaning of compensations, parameters, setting data and machine data
Fundamentals of data backup
Introduction to drive and control technology
Methods for the recording of internal signals
VDI interface and interface signals
Practical exercises on training models with digital drives

Prerequisites

Basic knowledge of PLC programming.

Note

Included in the course price: Free access to the digital learning platform SITRAIN access – starting one week before the start of the course until two weeks after the end of the course.
With the Learning Membership, you can deepen or repeat the content of this Learning Event as well as continue your education on other interesting topics.

Type

Face-to-face training

Duration

5 days

Language

en

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