

## 840Dpl Maintenance 1 w/HMI Advanced (US-SN84DM1A)

---

### Type

---

Instructor-led Learning

### Duration and Continuing Education Units (CEU)

---

4 Days  
2.6 CEUs

### Target Group

---

- Maintenance

### Short Description

---

This course is for maintenance personnel of CNC machines that utilize the SINUMERIK 840D / 810D controls, using the MMC-103 or PCU-50 Operator Interfaces. Personnel using the MMC-100.2 or HT-6 Operator Interfaces are urged to contact Siemens Customer Training prior to enrolling in this class.

This course emphasizes the maintenance aspects of the control. A complete overview of the softkey menus of the SINUMERIK D-series control is provided, including the basic principles of operating the control. Demonstrations are given on how to competently manage maintenance functions and how-to backup and restore the PLC program and control data.

### Objectives

---

- Edit and store machine data
- Back-up and restore control data to the internal hard drive
- Back-up and restore PLC program data to the internal hard drive
- Back-up and restore data to an external data medium
- Diagnose problems using Siemens generated alarm displays
- Use on screen help functions to help diagnose alarm related problems
- Understand the hardware configuration
- Access and utilize major operating areas of the control

### Content

---

- Operations
- Data back-up and restoration
- Diagnostic functions
- Hardware overview

### Note

---

Class format is predominately hands-on exercises. SINUMERIK 840D CNC simulators are utilized for the student to build proficiency in moving through various menus and managing data. This course DOES NOT cover the SIMATIC S7 PLC language. Students who must troubleshoot the PLC user program should attend the SIMATIC S7 Programming I course.

### Language

---

English

---

Course descriptions are Siemens Intellectual Property and copyright protected. Do not modify without written permission from SITRAIN US. ©2023 Siemens Industry, Inc.