

## 840Dpl Maintenance 2 w/HMI Advanced (US-SN84DM2A)

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### Type

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Instructor-led Learning

### Duration and Continuing Education Units (CEU)

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4 Days  
2.6 CEUs

### Target Group

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- Maintenance
- Operator

### Short Description

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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 provides a complete overview of the system hardware, software and configuration of the SINUMERIK 840D CNC, and it's integrated SIMODRIVE 611D Digital Servo drive system. The course includes information regarding the hardware, configuration, and commissioning procedures for utilization of the SIMODRIVE 611D

### Objectives

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- Back-up and restore all data to the MMC-103 / PCU50, using Symantec GHOST software
- Access and interpret the controls status displays for troubleshooting purposes
- Analyze system messages, alarm messages, and LED indications to identify failures
- Set and/or adjust specific machine data in the control
- Optimize a closed loop position control system

### Content

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- Initialization of the control
- Initialization of the digital servo system
- System data back-up and restoration
- PLC User program back-up
- Interface signals and status display function
- Axis position control
- Spindle control
- Identifying OEM generated alarms and operator messages
- NC Auxiliary functions
- Identification and setting of 611-D module and motor data in the 840D
- Diagnosis of servo problems in the 840D

### Mandatory Prerequisites

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

## Language

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English

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