



September 14-17, 2026

SIEMENS

S120/G120 Maintenance and Troubleshooting

2.9 CEUs (Continuing Education Credits)

This course provides maintenance level training on Siemens SINAMICS S120 and G120 drive systems. The course includes an overview of AC Drive power structures, system hardware, basic commissioning steps, and basic steps for configuring and troubleshooting.

Objectives:

Upon Completion of this course, the student shall be able to:

- Operate the G120 Drive via IOP Keys
- Perform Basic Commissioning and Set Up via IOP
- Backup and Restore the G120 Operating Program via Memory Card and IOP
- On both the G120 and S120 Drive Systems:
- Trace voltage waveform from Input rectifier to Motor output.
- Utilize Drive Architecture to troubleshoot Hardware Modules
- Troubleshoot the Power Electronics
- Establish a communication with STARTER
- Upload, Archive, and Restore Configuration via STARTER
- Perform an Online Configuration via STARTER
- Control Drive via STARTER Control Panel
- Trace Signals within the Drive configuration utilizing BICO technology
- Troubleshoot Drive failure to respond to a Command Source
- Troubleshoot Drive failure to respond to a Setpoint Channel Source
- Use the Diagnostic Fault and Warning Buffer to troubleshoot the system
- Troubleshoot Regulation (speed or torque) problems

...and more!

Topics:

1. Safety, PPE, and ESD
2. Perform Hardware Module Diagnostics
3. Set up and operate the Drives
4. Back-up and restore operating program via OP
5. Utilize STARTER software to Upload, Archive, and Restore Drive Project
6. Troubleshoot a SINAMICS drive system using STARTER application diagnostics
7. Evaluate Drive System Performance
8. Replace Defection Hardware

Date: September 14-17, 2026

Location: Dayton, OH

2400 Technical Dr.,
Miamisburg, OH 45342

Time: 8:30 a.m. to 4:30 p.m.

Cost: \$3,900.00

Registration: [CLICK HERE](#) or Scan QR Code

**Class size must reach 6 participants or it may be subject to cancellation.*

