



October 27-29, 2026



SIEMENS

Siemens Step 7 Classic for Maintenance Personnel

This three day course assumes the student has a very basic understanding of PLCs and will introduce students to the Step 7 software package, used to program and maintain the S7-300/400 PLC systems. The class focuses on maintaining & troubleshooting the S7 PLC using Step 7.

Topics:

- S7 Family Hardware Overview
- S7 Hardware Installation & Maintenance
- Remote I/O Installation & Maintenance
- Using Simatic Manager
- Editing/Adding Symbols to a Project
- Overview of PROFIBUS & PROFINET Networks
- Using a Variable Table for Troubleshooting
- Overview of S7 Addressing
- Why Various Programming Methods Are Used (Linear, Partitioned, Structured)
- Basics of Organization Blocks
- Basics of Functions (FC) & Function Blocks (FB)
- Basics of Data Blocks
- Monitoring PLC Program Blocks
- Comparing Programs
- Using Cross Reference, Usage Table & Program Structure Tools
- Troubleshooting a S7 PLC Using LEDs
- Troubleshooting a S7 PLC Using Step 7
- Troubleshooting a S7 PLC Using the Integrated Web Server
- How to Force a Value

Prerequisite:

Basic Understanding of PLCs

Date: October 27-29, 2026

Location: **Milwaukee, WI**
N114W18770 Clinton Dr
Germantown, WI 53022

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

Cost: \$2,400.00

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

**Class size must reach 4 participants or it may be subject to cancellation.*

