



May 18-21, 2026

SIEMENS

AB to S7 Programming with the TIA Portal

2.9 CEUs (Continuing Education Credits)

This course acknowledges the automation experience of the students and delivers must-know, advanced topics to experienced engineers interested in Siemens SIMATIC STEP 7 TIA Portal software.

Objectives:

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

- Utilize STEP 7/TIA Portal engineering tools
- Insert an HMI device into a project
- Locate Tags using Cross-Reference tool
- Utilize System Diagnostic Functions to test and troubleshoot and application program
- Create custom code blocks
- Create reusable program code (FB, DB, FC, etc.) and insert in library
- Assign tags in STEP 7 TIA Portal
- Create, Store, and Retrieve Library Objects

Topics:

1. System Overview
2. AB-STEP 7 TIA Portal Navigation
3. AB-STEP 7 TIA Portal Communication
4. Hardware
5. Memory Allocation and Usage
6. Tag Handling
7. Program Instructions in STEP 7 TIA Portal
8. Programming Blocks

Date: May 18-21, 2026

Location: Dayton, OH

2400 Technical Dr.,
Miamisburg, OH 45342

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

Cost: \$4,000.00

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

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

