



May 11-15, 2026

SIEMENS

TIA Portal Programming 3

3.0 CEUs (Continuing Education Credits)

This course is the third in a three-part series which increases advanced skills with Siemens SIMATIC TIA Portal.

Students will learn to leverage the power of TIA Portal software with advanced structured programming techniques. A systems approach to efficiently programming the S7-1500, S7-1200, S7-300, and S7-400 PLC is covered. Students will expand their knowledge regarding the reusability of STEP 7 blocks and their storage in user libraries while gaining an introduction to programming languages statement list (STL), Structured Control Language (SCL) and S7-GRAH.

Objectives:

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

- Apply knowledge of the advantages of optimally created blocks and be able to program them
- Efficiently implement the concepts of multiple instances
- Declare variables of complex data types
- Commission a given SCL block
- Configure alarms according to the Alarm Number Method
- Commission a PID Controller with automatic optimization

Topics:

1. Training Units and Addressing
2. Hardware and Software Commissioning
3. Reusable Blocks
4. Complete Data and their Addressing
5. Structured Control Language - SCL
6. Recipes and Alarm Number Method
7. Introduction to Industrial Communication
8. Technology Objects

Date: May 11-15, 2026

Location: Nashville, TN

1854 Air Lane Dr., Suite 20
Nashville, TN 37210

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

Cost: \$3,700.00

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

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

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