



**AUTOMATION
& FACTORY
SOLUTIONS**

TIA Portal 3-Day Programming Workshop

Pittsburgh, PA

May 19-21, 2026

TIA Portal 3-Day Programming Workshop

This 3-Day Siemens TIA Portal Programming workshop is tailored for someone who installs, maintains, and programs automation systems. This is a programming based workshop which means basic PLC programming knowledge is required for attendance.

Workshop outline:

- Siemens Product Family Overview
- TIA Portal Family Overview
- PLC Programming Basics
- HMI Programming Basics
- Data Blocks and Memory
- Introduction to Networks
- Configuration of Distributed I/O
- Configuration and Programming of Systems
- Diagnostics and Alarming
- How to use Libraries and Archive Your Project Data

Date: May 19-21, 2026

Location: **Pittsburgh, PA**
120800 Route 19
Cranberry, Twp, PA 16066

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.*



This 3-Day workshop is taught using S7-1500 Hardware on a workstation (1 student per workstation.) Computers provided by GCG.

Participants will learn about the SIMATIC hardware, how to configure it and program it from a "clean sheet." They will also learn to use built-in diagnostic tools to troubleshoot both their code and hardware. Additionally, attendees will learn how to configure and troubleshoot networked devices such as distributed I/O and HMI's. The course format is a combination of instructions and hands-on exercises allowing students to practice programming in the "TIA Portal" programming environment.