



Computer Foundations for OT Professionals Basic & Advanced

This 2-day class will work in a learn at your own pace fashion with a menu of options to learn about each day. Each learning target will have a lab associated. Exploration and self-learning will be promoted in this class with an instructor there to be able to answer questions. Class does not have to be limited solely to these topics but is focused on foundations of computer use and software within the OT space. All questions are welcome.

Requirements for Attendees:

- Have a valid Rockwell login
- Valid email associated with Rockwell
 - Must be setup before the class
- A portable laptop if you have one

NOTE: If you don't have a laptop, SMC will provide one.

May 19 - 20
8 AM - 4 PM

SMC Springfield
585 N. Washington Ave.
Springfield, MO 65806

Cost One Day = \$700
 Both Days = \$1,000
 Lunch Included



**Authorized
Service Provider**

A ROCKWELL AUTOMATION PARTNER

Please register at www.smcelectric.com

Course Agenda

REGISTER ONLINE



DAY 1: Basic Computer Foundations

- Windows Basics for OT Systems
 - Use Task Manager, Services, and Firewall for system checks.
- FactoryTalk Hub Overview
 - Explore Rockwell Cloud software.
- Networking 101 & FactoryTalk Linx
 - Review IP basics and test network communication in Linx. Applying Ip addresses to devices. How to troubleshoot networking.
- Remote Access – Factorytalk remote access.
 - Connect to other PCs and Set up remote access
- Basic CMD Commands for OT
 - Use ping, ipconfig, and tracert for troubleshooting.

DAY 2: Advanced Computer Foundations

- GitHub for OT Version Control
 - Create GitHub Repo and manage project files.
- Data Storage Basics
 - SQL Server basics, how to create a SQL Server and apply security.
- Cybersecurity Basics
 - Review firewalls, segmentation, secure settings, and password managers.
- Containerization & Docker
 - Build and run a simple container.
- Virtualization
 - Explore VM concepts and create a VM.

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