

Logix Basics:

Practical PLC Programming with Studio 5000

This practical, beginner-friendly course introduces the fundamentals of Rockwell Automation Logix controllers using Studio 5000 Logix Designer. Participants will build, test, and troubleshoot real ladder logic through guided labs.

What You'll Learn:

- How PLCs scan and execute logic
- Studio 5000 interface and project structure (Tasks, Programs, Routines)
- Basic Ladder Logic: XIC, XIO, OTE, OTL/OTU, Seal-in circuits
- Timers (TON) and Counters
- Tag creation and data types
- Connecting to controllers with FactoryTalk Linx
- Downloading, going online, monitoring, and basic troubleshooting
- Introduction to real-world I/O and simple HMI concepts
- Navigate Studio 5000 and understand project structure
- Build and troubleshoot basic ladder logic (start/stop circuits, seal-ins, timers)
- Connect to controllers, go online, monitor, and force I/O safely
- Create and manage tags correctly
- HMI basics

Thursday, October 1
8 AM - 4 PM

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

Cost:
\$700

Includes Lunch



To register, please visit our website or contact Tyler Perry at tperry@smcelectric.com