

Logix Intermediate:

Practical PLC Programming with Studio 5000

Already building start/stop logic? This hands-on course teaches you to write reliable, readable ladder logic and troubleshoot fast. You'll complete guided labs, solve real world fault challenges, and build a complete machine on your own with optional bonus labs to dive deeper into your plant's systems.

What you'll learn

- Measure scan time and see how rung order changes your program
- Count and do math in ladder, including scaling a 4–20 mA analog signal
- Organize a project with tasks, routines and tag scope
- Run one piece logic on many stations with arrays and indirect addressing
- Build machine sequences as state machines
- Use and troubleshoot Add-On Instructions (AOIs)
- Make safe online edits and read minor, major and module faults

- Find planted faults fast in troubleshooting challenges
- Troubleshoot challenges after each lab
- Write programs someone else can read
- Build a machine as a state machine
- Reuse logic with arrays and AOIs
- Edit online safely and find the cause of a fault
- Troubleshoot with a method, not a guess

Prerequisite:
Logix Basics or equivalent experience. Or short placement check.

Thursday, January 28

8 AM - 4 PM

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

Cost: $700

Includes Lunch

To register, contact Tyler Perry at tperry@smcelectric.com