



AUTOMATION | ELECTRICAL  
DATA COMM & SECURITY  
INDUSTRIAL & SAFETY  
FLUID POWER

## AUTOMATION

THU. MAY 24  
8:30 AM - 3:30 PM

SMC JOPLIN  
923 W. 4TH ST.  
JOPLIN, MO 64801

## SAFETY CIRCUITS & WIRING

## TRAINING EVENT

Step into the world of machine safety in this one-day course. Learn about practical applications along with the theory and regulations of safety-related control systems. Learn about a mix of components, from basic relays to programmable safety controllers, in order to understand the differing technologies used to meet specific safety control requirements.

### Course Outline

- Safety Control Architectures
- Different safety circuit wiring principles
- Perform wiring labs to the different control architectures

### Wiring Labs Include the Use of:

- Keyed Interlock Switches
- Coded Magnetic Switches
- Light Curtains
- Two Hand Control
- Emergency Stop
- Electronic Switches
- Safety Monitoring Relays
- Mechanically Linked Relays/Contactors

### + HANDS-ON

Throughout this course, you will have the opportunity to practice the skills you have learned through a variety of hands-on exercises.

### COST

\$500  
Includes lunch

### REGISTER

To register, contact Suzan McPherson at [smcpherson@smcelectric.com](mailto:smcpherson@smcelectric.com) by Thursday, May 17.