



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

AUTOMATION

TUES. DEC 11 –
WED. DEC 12
8 AM - 5 PM

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

COURSE NUMBER MMS-105
VALVE FUNDAMENTALS

TRAINING EVENT

This course is designed for individuals who need information on the types of valves and actuator used as control elements, valve components, and valve applications. At the completion of this course, you will be able to identify the types of valve operators: describe various types of valve actuators, discuss possible problems with valve actuators and positioners, describe the troubleshooting steps to repair faulty valve actuators, and state the purpose of bench set information of a pneumatic actuator.

You will also be equipped to list and explain valve markings: the function of a valve positioner, state when a valve positioner should and should not be used, explain how to set up a valve positioner, explain the importance of valve position indication and feedback, and discuss how valve position information impacts control of a process or system.

This course is designed to provide you with hands-on skills with exercises for equipment setup and evaluation.



+ 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

\$1,975
Includes lunch
each day

REGISTER

To register, contact Suzan McPherson
at smcpherson@smcelectric.com
by Monday Nov 19.

COURSE NUMBER MMS-105

Prerequisites

To successfully complete this course, the following prerequisites are required:

- Understanding of mechanical systems and applications.

SCHEDULE

Day 1

- Introduction exam
- Valve construction and operation
- Valve types
- Valve actuators
- Lab exercises

Day 2

- Valve markings
- Lab exercises
- Final lab exercise
- Review
- Written exam