

# MOTOR CONTROL & RELAY LOGIC

**COURSE #: MCB101**

**8**  
CEUs

## COURSE PURPOSE

This one-day hands-on seminar will address the basics of 2-wire and 3-wire motor control circuits using ladder diagrams and wiring diagrams. This building block of electrical theory utilizes relay logic concepts to establish a logic perspective. Preventative maintenance and troubleshooting skills will be utilized. The National Electrical Code will be observed throughout the instruction but most specifically Article 430.

## WHAT YOU WILL LEARN

- How to build motor control circuits
- How to understand and use ladder and wiring diagrams
- How to use relay logic concepts to establish a logic perspective
- How to perform preventative maintenance and troubleshoot

## COURSE SYLLABUS

- Static/Manual control switches
- Sensing and timing switches
- Electromagnetic control switches
- Understanding electrical control circuits
- Preventative maintenance and control circuit troubleshooting

## COURSE LENGTH



One day

## WHO SHOULD ATTEND?



Electricians who will build and perform maintenance on motor control circuits should attend this course.

## STUDENT MATERIALS



Students should bring basic tools (small needle-nose pliers and small flathead screwdriver) and a current NEC codebook.

## HANDS-ON EXPERIENCE



Students will build a variety of control circuits incorporating push buttons, limit switches, auxiliary contacts, etc.

**REGISTRATION INFORMATION**



[www.vanmeterinc.com/events](http://www.vanmeterinc.com/events)



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