



**BURGLAR** ESTABLISHED 1981  
**& FIRE ALARM**  
ASSOCIATION OF MICHIGAN

# 2024 CODE UPDATE COURSES

**18** CONTACT  
HOURS

**FIRE ALARM SPECIALTY  
TECHNICIANS &  
CODE INSPECTION  
OFFICIALS**

# 2024 CODE UPDATE COURSES

## FIRE ALARM SPECIALTY TECHNICIANS & CODE INSPECTION OFFICIALS

This course is designed to provide code updates for code inspection officials and fire alarm specialty technicians, in accordance with the requirements of the Michigan Skilled Trades Act of 2016. The course will primarily cover the three main codes affecting fire alarm system design and installation, including the Michigan Building Code, the National Fire Alarm Code and the 2023 Michigan Electrical Code. In addition, to satisfy the National Institute for Certification in Engineering Technologies (NICET) requirements for Continuing Professional Development credits, the course has been designed to meet the 18 contact hours required to obtain a certificate of completion.

### Instructors

**Dan Decker, CFPS, SET** is an NFPA Certified Fire Protection Specialist, and certified by NICET at Level IV in Fire Alarms and Special Hazards and has over 40 years of experience as a fire alarm contractor.

**Rick Boisvert, CPFS, IAAI-FIT** is an NFPA Certified Fire Protection Specialist, and is certified by the International Association of Arson Investigators as a Fire Investigation Technician. He is also a member of the International Fire Code Committee. Rick is an active Fire Marshal with over 19 years of experience.

**Matt Minnick** is certified by NICET at Level III in Fire Alarm Systems, and has 19 years of experience. He is a licensed fire alarm designer in Ohio, and a licensed fire alarm specialty technician in Michigan.

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## COURSE OUTLINE

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### **Fire Alarm Layout and Design**

- Required and non-required systems
- Building Use and Occupancy classifications
- Building Code requirements by occupancy type
- Special requirements for specific occupancies
- Sprinkler system monitoring
- Fire alarm system requirements by occupancy

*Referenced documents: Michigan Building Code, 2015 edition*

### **Fire Alarm Initiating Device Layout and Installation**

- Manual pull stations
- Sprinkler waterflow and supervisory switches
- Automatic fire detectors
- Duct smoke detectors and mechanical system
- interfaces
- Elevator recall and control

*Referenced documents: Michigan Building Code, 2015 edition; Michigan Elevator Rules, 2016 edition effective 6/27/23; ASME A17.1 Elevator Code, 2016 edition; NFPA 72 National Fire Alarm Code, 2013 edition*

### **Notification Device Layout and Installation**

- Audible notification
- Visible notification
- Simultaneous operation of audible and visible devices
- Acoustically Distinguishable Spaces

*Referenced documents: Michigan Building Code, 2015 edition; NFPA 72 National Fire Alarm Code, 2013 edition*

### **Fire Alarm Plans and Submittals**

- Drawing requirements
- Equipment data submittals
- Battery size calculations
- Voltage drop calculations
- Interacting with the Authority Having Jurisdiction

*Referenced documents: Michigan Building Code, 2015 edition; NFPA 72 National Fire Alarm Code, 2013 edition*



## COURSE OUTLINE

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### **Fire Alarm Installation**

- Michigan Electrical Code, 2023 edition
- Michigan Part 8 Code Rules, 2024 edition
- Electrical Code fire alarm installation requirements
- Circuits and pathway requirements

*Referenced documents: Michigan Part 8 Rules, 2024 edition; NFPA 70 National Electrical Code, 2023 edition; NFPA 72 National Fire Alarm Code, 2013 edition*

### **Fire Alarm Acceptance Testing**

*Referenced document: NFPA 72 National Fire Alarm Code, 2013 edition*

### **Residential Requirements**

*Referenced documents: Michigan Residential Code, 2015 edition; NFPA 72 National Fire Alarm Code, 2013 edition*

### **Inspection, Testing and Maintenance Requirements**

*Referenced document: NFPA 72 National Fire Alarm Code, 2013 edition*

*Approved by the Bureau of Construction Codes (BCC) Electrical Division Course: Approval Number 20-1170564. Approved by the Bureau of Construction Codes (BCC) for 18 hours technical credit for Building Inspectors, Electrical Inspectors, Building Officials and Plan Reviewers: Approval Number CP-24-00026. Approved by the Bureau of Fire Services (BFS) for 18 credits for Certified Fire Inspectors: Approval Number 1005-24.*

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## GENERAL INFORMATION

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### Schedule

All courses will be held 8:00am – 5:00pm each day.

- April 5-6, Grand Rapids
- May 17-18, Livonia
- June 8-9, Livonia (Sat/Sun)
- September 13-14, Livonia
- November 8-9, Grand Rapids

### Locations

#### Grand Rapids

Thousand Oaks Golf Club  
4100 Thousand Oaks Dr.  
Grand Rapids, MI 49525

#### Livonia

Embassy Suites Detroit – Livonia/Novi  
19525 Victor Pkwy.  
Livonia, MI 48152

### Registration

The registration deadline is two weeks prior to the start of each course date.

Registration fee includes lunch on both days.

Member/Registered Code Official ..... \$180  
Non-Member ..... \$240

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