

Twenty Eight Years of Building Code Education

**WWW.educode.us** February 24 – 28, 2025 Orleans Hotel Conference Center and Online Classes

# Feb. 24 – 28, 2025

1-888-ICC-SAFE (422-7233), ext. 33821

iccsafe.org/educode



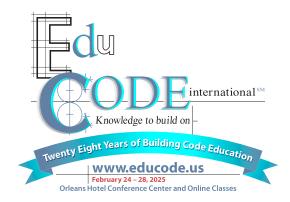




## Classes offered live and virtual!







Welcome to EduCODE 2025!

EduCODE 2025 is once again proud to provide premier education, training and networking for everyone who attends. Thanks to you, EduCODE has become the leader in educational events throughout the country. Again, this year, we are providing classes both in-person and virtually to accommodate every need of the code professional.

With over 100 classes, all ICC Preferred Provider approved, and many AIA certified to choose from, EduCODE offers training for building and fire inspectors, plan examiners, permit technicians, code enforcement officers, managers and supervisors, architects, engineers, building officials, students and all code professionals.

EduCODE continues to take your suggestions, comments and needs to ensure your EduCODE experience is exceptional. Attendees have numerous opportunities to brainstorm and share ideas, problems, concepts, issues and thoughts with nationally renowned instructors, industry professionals, ICC staff and fellow code professionals. We offer numerous networking events which are designed to bring everyone together, outside of the classroom, in relaxed, informal and fun settings to further your EduCODE experience.

We look forward to meeting everyone both in person and in the virtual environment! Should you have any questions or concerns do not hesitate to ask any EduCODE volunteer as we are here to help make your EduCODE experience the best it can be. Once again, welcome to EduCODE 2025.

Sincerely,

Alan Ellis EduCODE Director

## **Register for the 2025 EduCODE Today!**

#### **Live Classes**

Attending in person? Check out the **Orange Tracks** for the In-Person classes offered at the Orleans Hotel.

#### Virtual Classes

Can't travel? Join us virtually! Check out the virtual offerings in the **Blue Tracks**.

### How do I register Myself?

If you are registering yourself and you will be the one attending classes at EduCODE, go to iccsafe.org/educode and click **Individual Registration**. You will see the registration page as shown below and follow the prompts to complete your individual registration.

		CODE interna Knowledge to build on eight Years of Building Code Edu Www.educode.us February 34 - 28, 2025 w Motel Conference Center and Online Class		
Welcom	e Attendee Information	Additional Attendees	Registration Record	
Welcome to EduCOE	DE 2025. Please select y Click here to view the			rse selection.
	New Registration	Modify Regi	istration	

### How do I register a Group or Another Individual?

There are two options for group registrations and registering another individual this year.

1. Click on Individual Registration (same process as above). Complete attendee #1. Once entered, you will be prompted if you will be registering any other attendees for this event:

```
Will you be registering any other attendees for this event?* \odot~{\rm Yes} \odot~{\rm No}
```



After you click Yes, you will be prompted to enter the information for the additional attendee. You may repeat this process until you register all your participants.

2. You may register groups of 10 or more by clicking **Group Registration** on the ICC EduCODE site (iccsafe.org/educode) and completing the downloaded form. Email completed form to <a href="mailto:kphiggs@iccsafe.org">kphiggs@iccsafe.org</a>.

ICC will manually register all individuals on your online form within 7 days and send confirmation emails directly to the individuals. Please provide the specific attendee emails.

### 2024 IRC Significant Changes



CEU: 0.8 Instructor: Sandra Hyde



This class reviews and analyzes selected significant changes from the 2021 IRC to the 2024 IRC. It familiarizes building officials, fire officials, plans examiners, inspectors and design professionals with many of the significant changes in the 2024 IRC. It assists code users in identifying the specific code changes that have occurred, and more importantly, understanding the reason behind the change. Changes to building, energy, mechanical, fuel gas, plumbing and electrical requirements are discussed. Finally, the seminar focuses on those code changes selected due to their frequency of application, special significance or change in application.

### 2024 IFC Significant Changes



CEU: 0.8 Instructor: Scott Adams

This course will focus on the major changes and their effects on design, construction, operations and inspection requirements. Discussion will be held on how the most significant administrative changes of the 2024 IFC impact the duties and responsibilities of the code official and how these changes impact the usability of the code.

### 2024 IRC Essentials



CEU: 0.8 Instructor: Cash Olszowy



VIRTUAL

SESSION 2

TRACK 2

This class examines basic concepts of the 2024 International Residential Code (IRC). These concepts provide a basis for the correct utilization of the code. A clear understanding of the identified requirements allows the code user to apply the IRC in specific situations and helps to build an understanding of the intent of the code when asked to make a judgment on code compliance. This course will also help the code user to correctly locate code requirements. It will also provide a basis for the correct use and application of the code as well as to begin to develop a procedure for applying them.

### 2024 IFC Essentials



CEU: 0.8 Instructor: John Swanson



This class will introduce the application of the IFC administrative requirements, occupancy classification, general precautions against fire, emergency planning and preparedness, fire service features, interior finish, decorative materials and furnishings, fire protection systems, means of egress, and provide an introduction to hazardous materials. Activities and discussions will further enhance participant learning. This class is designed to familiarize and assist code officials in locating, describing and applying applicable code requirements of the IFC to determine compliance or noncompliance.

### 2024 IECC Significant Changes



CEU: 0.8 Instructor: Jerica Stacey



This seminar reviews key changes from the 2021 to the 2024 edition of the International Energy Conservation Code (IECC). The discussion will address changes to both the residential and commercial provisions of the IECC. The seminar will assist code officials, plans examiners, inspectors, and design professionals in identifying the specific code changes that have occurred and understanding the reasoning behind the changes. In addition, the presentation will provide a broad overview of the IECC, its scope and application, to provide context to the topics under discussion. The program is based on the ICC publication Significant Changes to the International Energy Conservation Code, 2024 Edition.

### **NFPA 13 Plan Review Requirements** (AM)





CEU: 0.4 FEMA Instructor: Keith Heckler

This class will cover the necessary information required with a NFPA 13 fire sprinkler shop drawing submittal. You should expect to learn the importance and value of the data required with the design and installation document. Each subject line will be discussed in order to explain the rationale for the requirement and its long term benefit to the building owner. sprinkler contractor, the community, ITM service providers, future fire inspectors of the building, and fire investigators.

### So, you think you know NFPA 13? (PM)



CEU: 0.4

LIVE ONLY **SESSION 7** TRACK 6

**FEMA** 

Instructor: Keith Heckler

This course will explore the intriguing details of NFPA 13. Did you know there is a special occupancies chapter in NFPA 13, so what does that mean? Forward flow testing of a backflow preventer, isn't that a oxymoron? Miscellaneous storage? I need an owner's information certificate? Where's the General Information Sign? Be prepared for a highly interactive class.

#### 2024 IBC Occupancy Classification (AM) LIVE



CEU: 0.4 Live Instructor: Doug Thornburg Virutal Instructor: Jay Woodward

TRACK 7 VIRTUAL **SESSION 10** TRACK 8

**SESSION 8** 

The initial determination for buildings regulated under the IBC is the classification of uses by occupancy. This seminar will focus on the importance of proper occupancy classification as each of the 26 classifications set forth in IBC. Chapter 3 will be reviewed as to the anticipated hazards involved. In addition, the concept and application of the incidental use provisions will be discussed.

### 2024 IBC Use of Fire Sprinklers & Alarms (PM)



CEU: 0.4

Live Instructor: John Gibson Virtual Instructor: George Mann



This seminar identifies those conditions under which automatic sprinkler protection and/or fire alarm systems are required. The application of the fire area concept will be discussed, along with the varying extent of sprinkler protection required based upon specific situations. In addition, the discussion will address many of the key code conditions under which the presence of an automatic sprinkler system can be used to modify other requirements. Specific topics include: 1) definition and application of fire areas, 2) required sprinkler and alarm protection based on occupancy classification, and 3) optional use of automatic sprinkler systems.

### 2023 NEC Changes



CEU: 0.8 Instructors:

LIVE **SESSION 12** TRACK 9

Randy Hunter& Chris Hunter

This seminar will cover the major changes in the 2023 National Electrical Code®. Photos and illustrations will be used to show how the NEC® is changing and how those changes will affect electrical installations. Changes include over a dozen new Articles, new AFCI requirements, changes to lighting load calculations, new surge protection requirements, Class 4 power systems, and many more changes that affect installations and inspections. Attendees should bring a 2023 NEC.

#### **Residential NEC Changes**



CEU: 0.8 Instructor: Keith Lofland



"This program has been developed for those who are involved in the design, installation and inspection of electrical systems in new and existing one- and two-family dwelling units. This course will cover the general requirement and wiring methods as they apply to one- and two-family dwelling electrical systems. This includes requirements such as GFCI and AFCI requirements, receptacle spacing requirements, kitchen countertop receptacle outlet requirements, lighting outlets, branch circuit calculations, grounding and bonding, service requirements, and overcurrent protection and devices. This presentation will be based on the requirements of the 2020 edition of the National Electrical Code® (NEC). Relevant updated changes to the 2023 NEC will also be discussed. This seminar will assist attendees in learning to make more accurate, thorough, and safe installations and inspections of electrical installations at one- and two-family dwellings. Attendees should have a 2020 or 2023 NEC book."

### **IRC Inspections**



CEU: 0.8 Instructor: Gil Rossmiller



Provides new residential inspectors with basic techniques and an understanding of conducting inspections of one & two dwelling and townhouse buildings. The discussion will include preparation, presentation and inspections of the building, plumbing, mechanical and electrical portions of a building.

#### **Senior Living Facilities**



CEU: 0.8 Instructor: Steve Thomas



This full day class will explore the design and review of senior living facilities under the International Building Code. The market is supporting the development of mixed used projects that include independent living facilities (Group R-2), assisted living facilities (Group I-1), memory care facilities (Group I-2) and other associated occupancies. This seminar will discuss the inherent issues with these types of uses and application of the code provisions. The discussion will also include the interaction of the IBC and NFPA 101 Life Safety Code in these types of uses.

Leadership IMPACT – Communications	LIVE
CEU: 0.8	SESSION 16
	TRACK 13
•	VIRTUAL
Instructors: Tim Schneider &	SESSION 17
Kelley Reynolds	TRACK 14

The ability to communicate effectively and at the right frequency is the core of success in leadership, business and life. Those that are able to relay instructions, vision and more, can connect with others, enhance personal productivity and avoid unneeded conflicts. This program will enhance the ability to listen, communicate clearly, manage communication tone, match communication style, and control non-verbal tone. Additionally, communication boundaries, frequency and the incredibly important skill of communication richness will be presented. Leadership IMPACT-Communications introduces participants to the powerful DiSC assessment as a highly accurate predictor of communication style and other key tendencies.

## Ethics and Integrity in Public Service (AM)





CEU: 0.4 Instructor: Maetrolisha Myers

This course is designed to help participants:

- Understand the definition of Ethics.
- Understand myths and misconceptions regarding Ethics.
- Understand ethical dilemmas faced by public servants.
- Understand the importance of Integrity in public service.
- Learn strategies and the impact of making decisions with integrity.

### Conflict Resolution and Emotional Intelligence (PM)

CEU: 0.4





Instructor: Maetrolisha Myers

Conflict Resolution is designed to help participants:

- Understand the difference between difficult people and difficult situations.
- Learn the difference between compromising and collaborating to resolve conflicts.
- Identify the causes of conflict and discourse in the workplace.
- Learn the framework for handling conflict with civility and respect.
- Learn ways to lessen the impact of conflict within the workplace and with the public.

Emotional Intelligence is designed to help participants:

- Understand the meaning and importance of Emotional Intelligence.
- Learn the four components of Emotional Intelligence and ways to implement them.
- Learn strategies to be more self-aware.
- Learn strategies to be more socially aware.
- Learn ways to manage professional relationships with Emotional Intelligence.

### When Disaster Strikes – Evaluator Training



CEU: 0.8 Instructor: Bill Bracken

All too often before and after a disaster, an affected community is left on its own to struggle with preparing to respond to the event and then assessing and dealing with its damage. When assessments are not conducted quickly, a community's residents will reoccupy potentially unsafe structures. Small scale localized events can often be handled by local building departments. However, in a large scale and/or large regional disaster, local building departments are unable to meet the demand and often unable to provide these valuable assessments. The ICC Disaster Response Inspector Program is aimed at training and certifying gualified professionals to assist with performing Post-Disaster Building Safety Evaluations. It also discusses the NIMS credentialing process whereby properly trained and qualified Post-Disaster Building Safety Evaluators can be pregualified and rostered. By properly training and pre-qualifying a pool of individuals building officials are better able to jump start recovery.

### Wood: Fire Hazard and Fire-Rated Construction



CEU: 0.8 Instructors: Chris Athari and Jim Gogolski

VIRTUAL

SESSION 21 TRACK 17

LIVE

**SESSION 20** 

TRACK 16

This seminar will consist of three parts: fire-rated construction basics, fire-retardant-treated wood (FRTW) applications, and FRTW testing standard development. The first component will teach participants what to look for in proper installations of wood framing in floors, walls, and roofs as well as common code violations. The second part will define what FRTW is per the model codes, and identify code-compliant applications in building construction, including when building in the wildlandurban interface. The final part will cover how testing standards for FRTW are developed and accepted, including how to read and understand code evaluation reports and acceptance criteria.

### Inspection Challenges of Firestopping

**Firestop Training** 

CEU: 0.8 Instructor: Brice Miller

SESSION 22 TRACK 18

LIVE ONLY

This course, designed for Building and Fire Code Officials, Firestop Special Inspectors, Architects, Engineers, and Contractors, will focus on reviewing the firestopping requirements of the International Building Code, as well as discuss why firestop inspections have proven to be one of the most difficult challenges for code officials. We will provide code compliant solutions for effective and efficient firestop plan review and inspections, including methods to achieve inspection of firestop systems for joints, perimeter containment, and penetrations. This course will also touch on the new ASTM firestop inspection standards, as well as a brief overview of draftstopping and fireblocking. Overall, attendees will leave this program informed, encouraged, and equipped with numerous tips and techniques to help them in their field of work.

### 2024 IPC/UPC Significant Changes (AM)



ICC INTERNATIONAL CODE COUNCIE

CEU: 0.4 Instructor: Gary Gauthier

This seminar introduces participants to the major changes from the 2021 IPC, UPC to the 2024 IPC, UPC. Participants will discuss the changes, reasons for the changes, and take part in knowledge review activities. Information presented will allow participants to apply these new code requirements to design, plan review, and/or inspection.

### 2024 IMC/UMC Significant Changes (PM)



ICC INTERNATIONAL CODE COUNCIE

CEU: 0.4 Instructor: Richard Anderson

This seminar introduces participants to the major changes from the 2021 IMC and 2021 UMC to the 2024 IMC and 2024 UMC. Participants will discuss the changes, reasons for the changes, and take part in knowledge review activities. Information presented will allow participants to apply these new code requirements to design, plan review, and/or inspection.

### 2024 IMC/UMC Significant Changes (AM)



CEU: 0.4 Instructor: Lisa Reiheld

This seminar introduces participants to the major changes from the 2021 IMC and 2021 UMC to the 2024 IMC and 2024 UMC. Participants will discuss the changes, reasons for the changes, and take part in knowledge review activities. Information presented will allow participants to apply these new code requirements to design, plan review, and/or inspection.

### 2024 IPC/UPC Significant Changes (PM)



CEU: 0.4 Instructor: Jim Cika



VIRTUAL

SESSION 25

TRACK 20

This seminar introduces participants to the major changes from the 2021 IMC and 2021 UMC to the 2024 IMC and 2024 UMC. Participants will discuss the changes, reasons for the changes, and take part in knowledge review activities. Information presented will allow participants to apply these new code requirements to design, plan review, and/or inspection.

### 2024 IBC & IEBC – Tenant Improvements



CEU: 0.8 Live Instructor: Chris Kimball Virtual Instructor: Todd Snider



This class focuses on the requirements of Chapter 7 of the International Building Code (IBC). It addresses all types of fire-resistance-rated construction including structural members, exterior walls, fire walls, fire barriers, fire partitions, smoke barriers, smoke partitions, and horizontal assemblies. The class discusses the specific requirements for openings, penetrations, and air transfer openings in rated assemblies. Some of the class time will be spent discussing prescriptive and calculated fire resistance as well as performance-based approaches.

AM sessions start at 7:30 am PT | PM sessions start at 1:00 pm PT

### The Complete Permit Technician – 2 Days



CEU: 1.6 Instructor: Steve Burger









Instructors: George Mann & Terrell Stripling

The commercial building inspector test academy is designed to assist you with taking the B2 Certification Exam. The test academy will cover in detail the topics of the exam. Throughout the academy you will be given an opportunity to answer questions that reference the exam resources. The topics that will be covered: general administration; building planning; footings and foundation; floor construction; wall construction and coverings; roof/ceiling construction and public safety and special construction of the commercial building inspector certification exam. An exam voucher will be issued upon completion of the Academy.

Required Materials: 2021 International Building Code<sup>®</sup>, Concrete Manual: Concrete Quality and Field Practices 2024/2021 IBC and ACI 318-19 or ACI 318-19 Building Code Requirements for Structural Concrete and Commentary

This **2-day seminar** is intended to provide essential information in the areas of code administration and history, legal aspects, customer service, basic plan review, inspection process, zoning requirements, permit fee calculations, basic occupancy and construction types, basic means of egress and dealing with difficult customers. The seminar is also beneficial for preparing for the Permit Technician Certification Exam.

### Required Materials: Calculator, 2015 or 2018 International Building Code®, 2015 or 2018 International Zoning Code®, Legal Aspects of Code Administration

Recommended Materials: Basic Code Enforcement

## 2024 IBC Significant Nonstructural Changes



CEU: 0.8 Instructor: Jay Woodward



VIRTUAL

**SESSION 32** 

TRACK 2

This seminar reviews and analyzes selected significant changes from the 2021 to the 2024 edition of the International Building Code (IBC). Although the focus of the presentation is on revisions to the IBC fire- and lifesafety provisions, additional areas of discussion include accessibility, construction materials and building services. The seminar assists building officials, fire officials, plans examiners, inspectors and design professionals in identifying the specific code changes that have occurred and understanding the reasoning behind the changes.

### 2024 IRC Significant Changes



CEU: 0.8 Instructors: Buddy Showalter, Jessie Sorensen

This class reviews and analyzes selected significant changes from the 2021 IRC to the 2024 IRC. It familiarizes building officials, fire officials, plans examiners, inspectors and design professionals with many of the significant changes in the 2024 IRC. It assists code users in identifying the specific code changes that have occurred, and more importantly, understanding the reason behind the change. Changes to building, energy, mechanical, fuel gas, plumbing and electrical requirements are discussed. Finally, the seminar focuses on those code changes selected due to their frequency of application, special significance or change in application.

### 2024 IFC Essentials



CEU: 0.8 Instructor: John Swanson



This class will introduce the application of the IFC administrative requirements, occupancy classification, general precautions against fire, emergency planning and preparedness, fire service features, interior finish, decorative materials and furnishings, fire protection systems, means of egress, and provide an introduction to hazardous materials. Activities and discussions will further enhance participant learning. This class is designed to familiarize and assist code officials in locating, describing and applying applicable code requirements of the IFC to determine compliance or noncompliance.

### 2024 IBC Essentials



CEU: 0.8 Instructor: Roger Axel



This seminar focuses on the basic concepts of the 2024 International Building Code (IBC). These concepts provide a basis for the correct utilization of the code. A clear understanding of the identified requirements allows the code user to apply the IBC in specific situations and helps to build an understanding of the intent of the code when asked to make a judgment on code compliance. This class will also help the code user to correctly locate code requirements. It will also provide a basis for the correct use and application of the code as well as to begin to develop a procedure for applying them. It will address the organization of the code and how it relates to the IBC family of International Codes (I-Codes).

#### 2024 IECC Essentials



CEU: 0.8 Instructor: Jerica Stacey



### Participants will apply the critical concepts of the 2024 International Energy Conservation Code. These concepts provide a basis for the correct use of the code in the design, plan review, inspection, and analysis of projects. It will provide a clear understanding and correct use of the requirements identified by these basic code provisions, tables and categorizations. Participants will apply the code in clearcut situations and build their understanding of the intent of the code when asked to make code compliance decisions. Participants will be to apply the 2024 International Energy Conservation Code to increase the efficient use of energy in the construction of new buildings and alterations to existing buildings.

(We are not addressing VAD- only grease duct wrap)

### Wildland-Urban Interface Risk Assessment & Mitigation for the Fire Service





CEU: 0.8 Instructor: SFPE

SFPE and SFPE Foundation created a virtual handbook using engineering-based resources to support firefighters and fire departments operating in the Wildland-Urban Interface (WUI). Many WUI property fire risk assessments are based on simple checklists that don't provide fire departments with the flexibility they need to make informed recommendations on assessment and mitigation in the field. This course follows a virtual handbook of engineering-based resource materials to support fire department WUI property fire risk assessments and recommended mitigation strategies for use in the field.

### 2024 IBC Types of Construction (AM)



## **CC** CEU: 0.4

Live Instructor: George Reid Virtual Instructor: Terrell Stripling



Together with occupancy classification, one of the most critical steps in analyzing a building for code compliance is classifying it for type of construction purposes. This seminar based on IBC Chapter 6 will address the identification of the construction materials and fire-resistance-rated features associated with the varied individual construction types. The permissible use of combustible materials in Type I and II noncombustible buildings will also be addressed.

## 2024 IBC Allowable Heights & Areas (PM)



CEU: 0.4 Live Instructor: Doug Thornburg Virtual Instructor: John Gibson



Based on the provisions of IBC Chapter 5, this seminar focuses on how a buildings occupancy classification and type of construction relate to the maximum building size permitted by the IBC. The approach to determining a buildings maximum allowable height and area is explained, including use of Table 503 and all related permitted increases due to sprinkler protection and frontage open space. Detailed provisions related to mezzanines, unlimited area buildings, occupiable roofs, fire walls and horizontal building separations are also addressed.

LIVE

**SESSION 41** 

TRACK 9

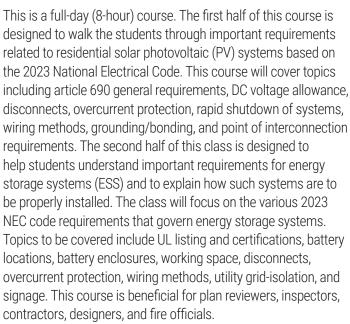
VIRTUAL SESSION 42

TRACK 10

### **Alternative Energy Systems** (Installations & Inspections)



CEU: 0.8 Instructor: Doug Smith



#### 2023 NEC Changes



CEU: 0.8 Instructors: Randy & Chris Hunter

This seminar will cover the major changes in the 2023 National Electrical Code<sup>®</sup>. Photos and illustrations will be used to show how the NEC® is changing and how those changes will affect electrical installations. Changes include over a dozen new Articles, new AFCI requirements, changes to lighting load calculations, new surge protection requirements, Class 4 power systems, and many more changes that affect installations and inspections. Attendees should bring a 2023 NEC.

#### **IRC Plan Review**



CEU: 0.8 Instructor:



Steve Thomas

Designed to provide a broad overview of the process for residential plan review, this one-day course will provide the basic steps involved to complete a comprehensive review of a residence. The class will discuss the tools and process for conducting a residential plan review. It will also increase your awareness of the necessary items required to ensure code compliance of the homes built in your jurisdiction.

### **IRC Inspections**



CEU: 0.8 Instructor: Gil Rossmiller



Provides new residential inspectors with basic techniques and an understanding of conducting inspections of one & two dwelling and townhouse buildings. The discussion will include preparation, presentation and inspections of the building, plumbing, mechanical and electrical portions of a building.

Leadership IMPACT – Team Member	LIVE
Engagement (AM)	SESSION 45
	TRACK 13
	VIRTUAL
	SESSION 47
	TRACK 14

Instructors: Tim Schneider & Kelley Reynolds

Unlock half of your influence with team members with this learning program. Team members that are engaged will have more loyalty, work harder, produce higher quality and deliver outstanding customer service. Leaders with engaged teams and healthy work cultures experience much greater results and have better levels of personal job satisfaction. The return on investment for team member engagement is achieved by using the strategies of relationship building and depth, managing leadership tone and understanding team member motivating factors. Creating a healthy working culture and connecting team members to the purpose of the organization are provided as extra resources in this program.

### Leadership IMPACT – Coaching Skills (PM)





LIVE ONLY

SESSION 49

TRACK 15

Instructors: Tim Schneider & Kelley Reynolds

At the heart of great leaders is a great coach. A person that can provide positive feedback easily, corrective feedback without alienating a team member and someone who uses coaching to release the rest of their influence with team members. Coaching, when done correctively and well, will dramatically improve workplace performance, team member engagement and unlock the potential of all team members. In addition to positive feedback and corrective feedback, this program presents skills associated with selecting team members, releasing team members when needed and providing teaching-type coaching.

### Short Term Rental Enforcement(AM)



CEU: 0.4 Instructor: Pete Roque

What is going on with short-term rentals? Staying up to date on market trends and best practices for regulation and enforcement can make the difference between a successful short-term rental compliance program and going back to the drawing board. Don't miss this local government-focused class if you're looking to stay ahead of this dynamic market and make the right decisions for your community. Key takeaways: Stateby-state property trends, changes in the way hosts advertise, status of different online rental platforms, and relevant trends in news articles and community concerns.

### Marketing Your Code Enforcement Department (PM)





CEU: 0.4 Instructor: Pete Roque

This class will help you market your code department in a positive manner. We will show different ways to make a positive impact on your community.

## Wood: Fire Hazard and Fire-Rated Construction



Instructors: Chris Athari, Jim Gogolski

This seminar will consist of three parts: fire-rated construction basics, fire-retardant-treated wood (FRTW) applications, and FRTW testing standard development. The first component will teach participants what to look for in proper installations of wood framing in floors, walls, and roofs as well as common code violations. The second part will define what FRTW is per the model codes, and identify code-compliant applications in building construction, including when building in the wildlandurban interface. The final part will cover how testing standards for FRTW are developed and accepted, including how to read and understand code evaluation reports and acceptance criteria.

### When Disaster Strikes – Evaluator Training



CEU: 0.8 Instructor: Bill Bracken



LIVE

**SESSION 51** 

TRACK 16

All too often before and after a disaster, an affected community is left on its own to struggle with preparing to respond to the event and then assessing and dealing with its damage. When assessments are not conducted quickly, a community's residents will reoccupy potentially unsafe structures. Small scale localized events can often be handled by local building departments. However, in a large scale and/or large regional disaster, local building departments are unable to meet the demand and often unable to provide these valuable assessments. The ICC Disaster Response Inspector Program is aimed at training and certifying gualified professionals to assist with performing Post-Disaster Building Safety Evaluations. It also discusses the NIMS credentialing process whereby properly trained and gualified Post-Disaster Building Safety Evaluators can be pregualified and rostered. By properly training and pre-gualifying a pool of individuals building officials are better able to jump start recovery.

LIVE ONLY

**SESSION 53** 

TRACK 18

### Fire-Resistance-Rated Construction Requirements of the 2021 IBC



CEU: 0.8 Instructor: Rich Walke

This program provides an in-depth look at the requirements of the 2021 International Building Code for fire-resistancerated construction. It will start with a detailed look at what is fire-resistance-rated construction, where it is required and what is the required rating. From there, it will cover the practical aspects as detailed in Chapter 7, including the unique requirements for structural elements, walls and horizontal assemblies, the referenced standards, the testing process described in the referenced standards, and the available methods of demonstrating code compliance.

### 2024 IMC/UMC Essentials



CEU: 0.8 Instructor: Richard Anderson



This seminar will cover the essential provisions for applying the 2024 IMC or 2024 UMC to the most encountered mechanical practices. Participants will discuss scenarios, how the IMC and UMC can be applied, and take part in knowledge review activities. The information presented will allow participants to have a more complete understanding of code requirements and how to apply when designing, installing, and inspecting a building mechanical system.

### 2024 IPC/UPC Essentials



CEU: 0.8 Instructor: Lisa Reiheld



This seminar will cover the essential provisions for applying the 2024 IPC or 2024 UPC to the most encountered plumbing and fuel gas practices. Participants will discuss scenarios, how the IPC and UPC can be applied, and take part in knowledge review activities. Information presented will allow participants to have a more complete understanding of code requirements and how to apply when designing, installing, and inspecting a plumbing and/or fuel gas system.

### 2024 IBC: Structural Updates



CEU: 0.8 Live Instructor: Chris Kimball Virtual Instructor: Scott Porter

LIVE
<b>SESSION 56</b>
TRACK 21
VIRTUAL
<b>SESSION 57</b>
TRACK 22

The 2024 International Building Code (IBC) incorporates several significant structural changes. This includes major changes to risk categories, seismic, wind, snow, tornado, and rain load requirements. This course will address the significant changes within the IBC itself as well as many of the significant structural changes in the referenced standards (ASCE 7-22; AISC 360-22, AISC 341-22, AISC 358-22; TMS 402/602-22; AWC NDS-24; etc.). Attendees should have a basic understanding of the structural provisions of the IBC.

### **2024 IFC Significant Changes**



CEU: 0.8 Instructor: John Swanson



This course will focus on the major changes and their effects on design, construction, operations and inspection requirements. Discussion will be held on how the most significant administrative changes of the 2024 IFC impact the duties and responsibilities of the code official and how these changes impact the usability of the code.

### 2024 IBC Significant Nonstructural Changes





CEU: 0.8 Instructor: John Gibson

This seminar reviews and analyzes selected significant changes from the 2021 to the 2024 edition of the International Building Code (IBC). Although the focus of the presentation is on revisions to the IBC fire- and life-safety provisions, additional areas of discussion include accessibility, construction materials and building services. The seminar assists building officials, fire officials, plans examiners, inspectors and design professionals in identifying the specific code changes that have occurred and understanding the reasoning behind the changes.

### 2024 IBC Essentials



CEU: 0.8 Instructor: Scott Adams



This seminar focuses on the basic concepts of the 2024 International Building Code (IBC). These concepts provide a basis for the correct utilization of the code. A clear understanding of the identified requirements allows the code user to apply the IBC in specific situations and helps to build an understanding of the intent of the code when asked to make a judgment on code compliance. This class will also help the code user to correctly locate code requirements. It will also provide a basis for the correct use and application of the code as well as to begin to develop a procedure for applying them. It will address the organization of the code and how it relates to the IBC family of International Codes (I-Codes).

### 2024 IRC Essentials



CEU: 0.8 Instructors: Sandra Hyde



This class examines basic concepts of the 2024 International Residential Code (IRC). These concepts provide a basis for the correct utilization of the code. A clear understanding of the identified requirements allows the code user to apply the IRC in specific situations and helps to build an understanding of the intent of the code when asked to make a judgment on code compliance. This course will also help the code user to correctly locate code requirements. It will also provide a basis for the correct use and application of the code as well as to begin to develop a procedure for applying them.

### **Understanding the Energy Rating** Index Compliance Path (AM)

LIVE ONLY SESSION 62 TRACK 5



CEU: 0.4 Instructor: Jerica Stacey

This seminar focuses on the Energy Rating Index performance path of the 2021 and 2024 IECC.

### **Electrification and the Built Environment (PM)**



CFU: 0.4 Instructor: Mark Fasel

LIVE **SESSION 63** TRACK 5

This seminar will provide an overview of what electrification means and how the 2024 I-Codes provides requirements that not only protect the environment, but also safeguard public health and safety. Requirements for the installation of heat pump technologies, hydronic piping systems, solar thermal systems and other types of technologies and systems that help to reduce greenhouse gas emissions as regulated by the 2024 International Mechanical Code (IMC) and 2024 International Fuel Gas Code (IFGC) will be discussed.

**Coordinated Code Compliance** for Thermal Envelope Applications of Foam Plastics and Continuous I nsulation (AM)





CEU: 0.4 Chemistry Instructors: Jason Crandell & Fric Banks

Foam plastics and continuous insulation (ci) are commonly used insulation materials and methods for achieving compliance with the energy code and its intent for the effective use and conservation of energy over the life of a building. Code-compliant use of insulation, including ci and foam plastic, requires coordination across multiple building code requirements that integrate fire safety, moisture/vapor control, water-resistive barrier, cladding installation, window installation, etc. In particular, foam plastic insulation materials have multi-functional capabilities that provide design flexibility and optimization in meeting these code requirements. This workshop will provide an in-depth review of applicable code requirements and include discussion of examples of ci and foam plastic insulation use in building foundation, exterior wall, and roof assemblies. The workshop will be supplemented with on-line resources that can assist with plan review and design for code compliance.

### Fire Resistance, Openings and the Five Walls (PM)





CFU: 0.4 Instructor: David Dodge

This fast paced seminar reviews fundamental principles found within Chapters 3 through 10 of the International Building Code® (IBC®) as they pertain to the use of the five walls, their openings and opening protectives. Based on the 2018 IBC as far as references are concerned, and regardless of the current IBC edition a jurisdiction may be enforcing, this seminar addresses guideline fundamentals and has proven to be a very insightful and helpful study of core code issues. These core issues are: definition of the five walls, elevators and elevator lobbies, exit access separation, vertical opening separation, occupancy separation, area separation, corridor separation, separation of vertical spaces, smoke compartmentation and the use of smoke barriers.

### 2024 IBC Means of Egress



CEU: 0.8 Live Instructor: George Reid Virtual Instructor: Roger Axel



LIVE

**SESSION 68** 

TRACK 9

This seminar addresses numerous provisions in Chapter 10 of the IBC pertaining to establishing a compliant means of egress system in buildings. The course is intended to assist designers, plan reviewers, inspectors and code officials in applying the concepts and applications of both the egress design provisions and the egress component requirements. General topics of discussion include the determination of occupant loads, exit access design, including egress distribution, common path of egress travel, corridors, egress illumination and exit signs, and exit components, such as interior exit stairways, exit passageways and horizontal exits.

### Electrical Safety and NFPA 70E 2024



CEU: 0.8 Instructor: Howard Herndon

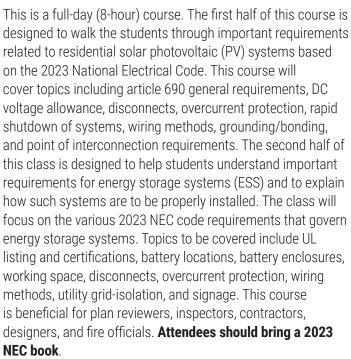
This is an extensive and popular program analyzing the major points to enable attendees to further their knowledge on safe practices related to electrical safety based on the new 2024 edition of NFPA 70E. Extremely detailed instructions and demonstrations are presented relating to personal protective equipment (PPE). The demonstrations of PPE allow each participant to learn the proper practices to follow and prevent loss of life during the hazards involved in such work environments.

The NFPA 70E 2024 is the recommended text for this class and each attendee should bring their own copy. Copies will also be available for purchase at EduCode.

### Alternative Energy Systems (Installations & Inspections)



CEU: 0.8 Instructor: Doug Smith



### **Interior Finishes and Foam Plastics**



CEU: 0.8 Instructor: Gil Rossmiller

This seminar will provide a brief discussion of the requirements of Chapters 8 and 26 of the International Building Code. The flame spread requirements for interior wall and ceiling finishes will be evaluated to assist plans examiners and inspector in determining code compliance. The installation and protection of foam plastics installed in buildings will also be discussed.

### VIRTUAL SESSION 69 TRACK 10

LIVE

**SESSION 70** 

TRACK 11





CEU: 0.8 Instructor: Steve Thomas



Designed to provide a broad overview of the process for residential plan review, this one-day course will provide the basic steps involved to complete a comprehensive review of a residence. The class will discuss the tools and process for conducting a residential plan review. It will also increase your awareness of the necessary items required to ensure code compliance of the homes built in your jurisdiction.

Leadership I	MPACT – Self-Mastery

CEU: 0.8



Instructors: Tim Schneider & Kelley Reynolds

"No one is fit to command another that cannot command himself" said William Penn and he could not be more right. The ability to manage and master your own behaviors will have an enormous impact on your ability to lead and maintain credibility with your team. Team members look to their leaders for calm, controlled and hopeful responses, especially during tough times. This program will dive deeply in to self-awareness, understanding the real and authentic you, uncovering blind spots in your behavior, looking at reaction hot buttons and noting core emotional composition. From there, the power comes with enhanced confidence, optimism, resilience, self-control and the ability to encourage others. Leadership IMPACT-Self-Mastery utilizes the powerful DiSC assessment to assist in discovering blind spots and other behavioral traits.

## Strategic Leadership for Supervisors (AM)

CEU: 0.4





Instructors: Kelley Simpson & Ed Nichols

Whether you're an existing administrator, manager, or supervisor or just interested in learning to be one, the Strategic Leadership class will teach you how to create a plan for organizational success.

- Understand why environmental culture is critical to life success
- Use of personal power to inspire those you influence
- How to build and use mission, vision and, values in life
- How to create clear and achievable goals
- How to create detailed objective for winning outcomes And so much more!

## Skip Tracing/ Leadership from the Ground Up (PM)





CEU: 0.4 Instructors: Kelley Simpson & Ed Nichols

In the realm of code enforcement, locating absentee property owners can sometimes feel like navigating a maze. With the right tools and techniques at your disposal, it becomes an engaging puzzle waiting to be solved. Imagine yourself as a skilled navigator, charting a course through the complexities of property ownership. Each discovery brings you closer to your goal of fostering compliance and community safety. So, gear up, embrace the adventure, and let's embark on this journey together to ensure every property owner is part of the solution! Whether you're an existing administrator, manager, or supervisor or just interested in learning to be one, the Strategic Leadership class will teach you how to create a plan for organizational success.

### Vertical Building Components in Multi Story Structures (AM)



CEU: 0.4 Instructor: David Dodge.

This seminar will discuss prescriptive solutions and the related principles found in Chapter 7 of the International Building Code® (IBC®) as they relate to vertical building components in Multi-story Structures. This seminar will define and examine the following vertical components; Atriums, Interior Exit Stairways, Exit Access Stairways, Elevators as well as other multi-story space considerations. During the seminar the instructor will review real-time case studies to explore code compliance solutions reached by various jurisdictions throughout the United States. The presentation will further discuss fire resistance and fire protection requirements for separation of vertical spaces, the 5 walls and their ratings along with opening protective requirements.

## Fire Resistance, Openings and the Five Walls (PM)



LIVE

**SESSION 76** 

TRACK 16



CEU: 0.4 Instructor: David Dodge

This fast paced seminar reviews fundamental principles found within Chapters 3 through 10 of the International Building Code® (IBC®) as they pertain to the use of the five walls, their openings and opening protectives. Based on the 2018 IBC as far as references are concerned, and regardless of the current IBC edition a jurisdiction may be enforcing, this seminar addresses guideline fundamentals and has proven to be a very insightful and helpful study of core code issues. These core issues are: definition of the five walls, elevators and elevator lobbies, exit access separation, vertical opening separation, occupancy separation, area separation, corridor separation, separation of vertical spaces, smoke compartmentation and the use of smoke barriers.

## Apartment Buildings: Fire & Life Safety (AM)



CEU: 0.4 Instructor: Cash Olszowy



**SESSION 79** 

TRACK 17

### Firestop Special Inspection (PM)



CEU: 0.4 Instructor: Sharon Halpert



Chapter 17 included special inspection of firestop in 2012 and many special inspection firms added it to their list of offerings. Some do so without understanding the requirements of the standards or the level of granularity one must go through to adhere to these rigorous requirements. Are the individuals on your jobsites capable and qualified of adhering to the codes and standards? We look at the requirements of the IBC and ASTM E2174, ASTM E2393 and touch on ASTM E3038.

At the end of this session inspectors, architects and developers will understand how to ensure the individuals doing firestop special inspection are qualified and capable. Participants will understand the various educational opportunities such as the IFC Certificate, Interteks IQP and the new ICC CLA. They will know a few key questions to use to evaluate a potential inspector and how to keep the hacks out of their jurisdiction.

We will also discuss why each of these questions in so important. When this class is over participants will be able to vet a special inspector before they are allowed to work on the project, evaluate the reports for conformance with the standards, understand what is required in the final inspection report and how to use this to vet the inspectors before approving them.

### 2024 IPC/UPC Essentials

plumbing and/or fuel gas system.



CEU: 0.8 Instructor: Gary Gauthier

This seminar will cover the essential provisions for applying

the IPC and UPC can be applied, and take part in knowledge review activities. Information presented will allow participants

to have a more complete understanding of code requirements

and how to apply when designing, installing, and inspecting a

the 2024 IPC or 2024 UPC to the most encountered plumbing

and fuel gas practices. Participants will discuss scenarios, how

LIVE SESSION 82 TRACK 19

The design and construction of apartment buildings requires the application of unique IBC requirements. This seminar focuses on those fire and life safety provisions that are generally limited to multi-family residential buildings or those requirements that are commonly applied. Provisions specific to residential building classification, construction type, fire-resistance, fire protection and means of egress will be addressed.

### Apartment Buildings: Accessibility (PM) VIRTUAL



CEU: 0.4 Instructor: Jay Woodward

The regulation of apartment buildings typically includes ensuring accessible entry, spaces and features to an established degree. This seminar addresses both the scoping requirements of the IBC and the technical requirements found in ICC A117.1 that are specifically applicable to multi-family Group R-2 occupancies. Emphasis will be placed on the design and construction of Type A and B units.

### Construction Rated Joint Inspection (AM)





CEU: 0.4 Instructor: Sharon Halpert

This class will change the way you look at the firestop joints on your project.

- ASTM E119, ASTM E1966, ASTM E2307 understand how firestop is tested and why it matters during your inspection
- readily find the necessary UL listed detail in a firestop submittal
- easily identify the key information in a UL listed system
- understand a list of common firestop non-compliance issues
- understand the key differences between the test conducted on through penetrations versus rated joints
- look at firestop rated joints in a whole new way
- We will talk about the two most overlooked applications for fire rated joints- smoke barriers and movement requirements.

AM sessions start at 7:30 am PT | PM sessions start at 1:00 pm PT

TRACK	Monday Feb. 24	Tuesday Feb. 25	Wednesday Feb. 26	Thursday Feb. 27	Friday Feb. 28
Track 1: 2024 I-Code Chnages <i>LIVE</i>	2024 IRC Significant Changes Session 1	2024 IBC Significant Nonstructural Changes Session 31	2024 IFC Significant Changes Session 58	2024 IFC Transition from the 2018 IFC Session 87	2024 IBC Transition from the 2018 IBC Session 122
Track 2: 2024 I-Code Changes VIRTUAL	2024 IFC Significant Changes Session 2	2024 IRC Significant Changes Session 32	2024 IBC Significant Nonstructural Changes Session 59	2024 IBC Transition from the 2018 IBC Session 88	2024 IFC Transition from the 2018 IFC Session 123
Track 3: 2024 I-Codes <i>LIVE</i>	2024 IRC Essentials Session 3	2024 IFC Essentials Session 33	2024 IBC Essentials Session 60	2024 IBC Significant Structural Changes with ASCE-7 Session 89	2024 IEBC Essentials Session 124
Track 4: 2024 I-Codes VIRTUAL	2024 IFC Essentials Session 4	2021 IBC Essentials Session 34	2024 IRC Essentials Session 61	2024 IEBC Essentials Session 90	2024 IBC Significant Structural Changes with ASCE-7 Session 125
Track 5: Energy LIVE ONLY	Energy Changes	2024 IECC Essentials Session 35	Understanding the Energy Rating Index Compliance Path AM Session 62	Existing Buildings and the Energy Code Session 91	Plan Review: Commercial and Residential Thermal Envelopes Session 126
			PM Session 63		
<b>Track 6:</b> Fire	NFPA 13 Plan Review Requirements AM Session 6	Mildland-Urban Interface Risk Assessment & Mitigation for the Fire Service Session 36	Coordinated Code Compliance for Thermal Envelope Applications of Foam Plastics and Continuous Insulation AM Session 64	Fire Pump Installation AM Session 92	Sprinkler System Hydraulics AM Session 127
LIVE ONLY	So, you think you know NFPA 13? PM Session 7		Fire Resistance, Openings and the Five Walls PM Session 65	Installation of Storage Sprinklers PM Session 93	Sprinkler System Plan Review PM Session 128

TRACK	Monday Feb. 24	Tuesday Feb. 25	Wednesday Feb. 26	Thursday Feb. 27	Friday Feb. 28
Track 7: Fire and Life Safety <i>LIVE</i>	2024 IBC Occupancy Classification AM Session 8	2024 IBC Types of Construction AM Session 37	2024 IBC Means of Egress Session 66	2024 IBC Exterior Wall & Opening Protection AM Session 94	2024 IBC Use of Fire & Smoke Separations AM Session 129
	2024 IBC Use of Fire Sprinklers & Alarms PM Session 9	2024 IBC Allowable Heights & Areas PM Session 38		2024 IBC Mixed Occupancies PM Session 95	2024 IBC Special Building Types PM Session 130
<b>Track 8:</b> Fire and Life	2024 IBC Occupancy Classification AM Session 10	2024 IBC Types of Construction AM Session 39	2024 IBC Means of	2024 IBC Exterior Wall & Opening Protection AM Session 96	2024 IBC Special Building Types AM Session 131
Safety <b>VIRTUAL</b>	2024 IBC Use of Fire Sprinklers & Alarms PM Session 11	Sprinklers & Alarms Heights & Areas	2024 IBC Mixed Occupancies PM Session 97	2024 IBC Use of Fire & Smoke Separations PM Session 132	
<b>Track 9:</b> Electrical	2023 NEC Changes	Alternative Energy Systems (Installations & Inspections)	Electrical Safety and NFPA 70E 2024	Medical Facilities Electrical Systems Session 98	Grounding & Bonding from the Ground Up AM Session 133
LIVE	Session 12	Session 41	Session 68		No Session
Track 10: Electrical VIRTUAL	Residential NEC Changes Session 13	2023 NEC Changes Session 42	Alternative Energy Systems (Installations & Inspections) Session 69	Grounding & Bonding from the Ground Up Session 99	No Session
Track 11: Advanced Special Topics <i>LIVE</i>	IRC Inspections Session 14	IRC Plan Review Session 43	Interior Finishes and Foam Plastics Session 70	Accessibility Significant Changes Session 100	Senior Living Facilities Session 134
<b>Track 12:</b> Advanced Special Topics <b>VIRTUAL</b>	Senior Living Facilities Session 15	IRC Inspections Session 44	IRC Plan Review Session 71	Interior Finishes and Foam Plastics Session 101	Accessibility Significant Changes Session 135

TRACK	Monday Feb. 24	Tuesday Feb. 25	Wednesday Feb. 26	Thursday Feb. 27	Friday Feb. 28
<b>Track 13:</b> Leadership, Management	Leadership IMPACT – Communications		Leadership IMPACT – Self-Mastery	Leadership IMPACT – Decision Making and Ethics AM Session 102	Leadership IMPACT – Innovation and Change AM Session 136
& Personal Development <i>LIVE</i>	Session 16	Leadership IMPACT – Coaching PM Session 46	ing	Leadership IMPACT – Personal Power and Relationships PM Session 103	Leadership IMPACT – Success Skills for Leaders PM Session 137
<b>Track 14:</b> Leadership, Management	Leadership IMPACT – Communications	Leadership IMPACT – Team Member Engagement AM Session 47	Leadership IMPACT - Self-Mastery Session 73	Leadership IMPACT – Innovation and Change AM Session 138	
& Personal Development <i>VIRTUAL</i>	Communications Session 17	Leadership IMPACT – Coaching PM Session 48		Personal Power and Relationships	Leadership IMPACT – Success Skills for Leaders PM Session 139
<b>Track 15:</b> Code Enforcement <i>LIVE ONLY</i>	Ethics and Integrity in Public Service AM Session 18	Short Term Rental Enforcement AM Session 49	Leadership for Supervisors AM Session 74	Preparing You Case- Documentation, Report Writing, and Evidence AM Session 106	Legal Aspects of Code Enforcement AM Session 140
	Conflict Resolution and Emotional Intelligence PM Session 19	Marketing Your Code Enforcement Department PM Session 50	Skip Tracing/ Leadership from the Ground Up PM Session 75	From Reactive to Responsive- Reimaging Code in your Community PM Session 107	Basic Code Enforcement-101/ What can Code Enforcement Learn from Killdozer? PM Session 141
<b>Track 16:</b> Building Specialties <i>LIVE</i>	When Disaster Strikes – Evaluator Training	Wood: Fire Hazard and Fire-Rated	Vertical Building Components in Multi Story Structures AM Session 76Apartment Buildings: Fire & Life Safety AM Session 108Fire Resistance, Openings and the Five Walls PM Session 77Apartment Buildings: Accessibility PM Session 109	Plan Review Skills	
	Session 20	Construction PM Session 51		Session 142	

TRACK	Monday Feb. 24	Tuesday Feb. 25	Wednesday Feb. 26	Thursday Feb. 27	Friday Feb. 28	
<b>Track 17:</b> Building	Wood: Fire Hazard and Fire-Rated	When Disaster Strikes – Evaluator Training	Apartment Buildings: Fire & Life Safety AM Session 78	Plan Review Skills Session 110	Inspector Bootcamp: Single Family Residence AM Session 143	
Specialties <i>VIRTUAL</i>	Construction Session 21	Session 52	Apartment Buildings: Accessibility PM Session 79		Tiny Homes – Big Future PM Session 144	
<b>Track 18:</b> Passive Fire	Inspection Challenges	Fire-Resistance- Rated Construction	Construction Rated Joint Inspection AM Session 80	Protect Your Openings – Fire Doors and Fire Windows AM Session 111	A Field Gal and a Lab Guy Walk into a Bar –	
Protection <i>LIVE ONLY</i>	of Firestopping Session 22	Requirements of the 2021 IBC Session 53	Firestop Special Inspection PM Session 81	Protecting Duct and Air Transfer Openings PM Session 112	The Firestop Version Session 145	
Track 19: Plumbing &		Essentials	2024 IPC/UPC Essentials Session 82	2024 ISPSC/USPSHTC Essentials AM Session 113	NFPA 13D – Multipurpose Residential Fire Sprinklers AM Session 146	
Mechanical <i>LIVE</i>	2024 IMC/UMC Significant Changes PM Session 24			Medical Gas Basics PM Session 114	Electrification and the Built Environment PM Session 147	
<b>Track 20:</b> Plumbing & Mechanical <b>VIRTUAL</b>	2024 IMC/UMC Significant Changes AM Session 25	2024 IPC/UPC Essentials Session 55		2024 IMC/UMC Essentials	NFPA 13D – Multipurpose Residential Fire Sprinklers AM Session 115	2024 ISPSC/USPSHTC Essentials AM Session 148
	2024 IPC/UPC Significant Changes PM Session 26		Session 83	Electrification and the Built Environment PM Session 116	Medical Gas Basics PM Session 149	

TRACK	Monday Feb. 24	Tuesday Feb. 25	Wednesday Feb. 26	Thursday Feb. 27	Friday Feb. 28
Track 21: Special Topics <i>LIVE</i>	2024 IBC & IEBC – Tenant Improvements Session 27	2024 IBC: Structural Updates Session 56	2024 IBC: Required Code & Special Inspections Session 84	2024 IBC/IFC: Hazardous Materials Session 117	2024 IBC – Chapter 7: Fire & Smoke Protection Features Session 150
Track 22: Special Topics VIRTUAL	2024 IBC & IEBC – Tenant Improvements Session 28	2024 IBC: Structural Updates Session 57	2024 IBC: Required Code & Special Inspections Session 85	2024 IBC/IFC: Hazardous Materials Session 118	2024 IBC – Chapter 7: Fire & Smoke Protection Features Session 151
<b>Track 23:</b> Office & Field Skills <b>LIVE ONLY</b>		ermit Technician on 29	So, You Want to be a Building Official Session 86	Inspector Bootcamp: Single Family Residence AM Session 119 Report Writing PM Session 120	Inspector Skills Session 152
Track 24: Certification Test Academy/Fire Alarms LIVE ONLY	B2 Commercial Bu	Building Inspector Certification Test Academy Session 30		Understanding the Fire Alarm Requirements of the IBC Session 121	Fire Alarm Inspection and Testing Session 153



### 2024 IMC/UMC Essentials



CEU: 0.8 Instructor: Jim Cika



LIVE

**SESSION 84** 

TRACK 21

VIRTUAL

TRACK 22

This seminar will cover the essential provisions for applying the 2024 IMC or 2024 UMC to the most encountered mechanical practices. Participants will discuss scenarios, how the IMC and UMC can be applied, and take part in knowledge review activities. The information presented will allow participants to have a more complete understanding of code requirements and how to apply when designing, installing, and inspecting a building mechanical system.

### 2024 IBC: Required Code & Special Inspections



CEU: 0.8 Live Instructor: Chris Kimball Virtual Instructor: Todd Snider SESSION 85

With building departments operating with minimal staffing, it's important that code professionals know what is, and is not, required to be inspected per the International Building Code (IBC). This course will address required inspections, by both building department staff and by third-party special inspectors. All required inspection disciplines will be discussed, such as structural, building, plumbing, electrical, mechanical, energy, fire, etc. The course will include specific information regarding required special inspections, structural observations, in-plant inspections at fabrication facilities, and other inspections that may be frequently overlooked. Several templates will be shared with the attendees and example projects will be discussed.

### So You Want to be a Building Official



CEU: 0.8 Instructor: Steve Burger



This seminar is designed for any Building Department employees who would like more information on just what it takes to be a successful Building Official OR Manager/ Supervisor. The seminar will discuss basic decision-making, legal and ethical topics, customer service, image of the Building Department and its employees, political issues, professional development, dealing with the media, staffing and budgeting. The discussion will be kept at a level that can be understood by all attendees and will encourage an abundance of input and discussion. Who should attend: Building Officials, Plans Examiners, Building Inspectors, Permit Technicians, Code Enforcement Officers or Department Directors.

### 2024 IFC Transition from the 2018 IFC



CEU: 0.8 Instructor: Scott Adams



This seminar will assist participants in transitioning from the 2018 International Fire Code to the 2024 IFC. This course will focus on the major changes and their effects on design, construction, operations and inspection requirements. The course includes revisions occurring in the 2018 IFC and the 2021 IFC, and new hazards addressed in the 2024 IFC which do not appear in the 2021 IFC.

### 2024 IBC Transition from the 2018 IBC



CEU: 0.8 Instructor: TBD



This seminar will assist participants in implementing the transition from the 2018 to the 2024 International Building Code. It will include relevant changes that occurred in both the 2021 and 2024 editions. Although most of the presentation focuses on revisions to the IBC fire- and life-safety provisions, additional areas of discussion include accessibility, construction materials and building services.

## 2024 IBC Significant Structural Changes with ASCE-7



Instructor: Buddy Showalter

This full-day seminar reviews and analyzes selected significant structural changes from the 2021 to the 2024 edition of the International Building Code (IBC). The program identifies the specific code changes that have occurred along with the reasoning behind the changes. Topics include:

- Changes to provisions for walls (Chapter 14)
- Roofs (Chapter 15)
- Structural design (Chapter 16)
- Special inspections (Chapter 17)
- Soils/foundations (Chapter 18)
- Materials including concrete, masonry, steel, wood and glass (Chapters 19-24)
- Updated provisions for temporary structures (Chapter 31)
- Changes to the IBC-referenced 2022 ASCE/SEI 7 Minimum Design Loads and Associated Criteria for Buildings and Other Structures (ASCE 7-22)
- Environmental loads discussed include rain, snow, ice, wind, tornado, earthquake, tsunami and flood.

### 2024 IEBC Essentials



CEU: 0.8 Instructor: Sandra Hyde



LIVE

SESSION 89

TRACK 3

This seminar will introduce critical concepts of the 2024 International Existing Building Code (IEBC). It will provide a basis for the correct use and application of the code. The discussion will build an understanding of the intent of the code through detailing basic tables, categorizations and a case study.

### Existing Buildings and the Energy Code





CEU: 0.8 Instructor: Hope Medina

The IECC has provided some guidance on how to treat existing buildings. How do we take energy requirements and make them work with a footprint that is typically outside of the control of the person designing it. IT's like putting a square peg in a round hole. This session is going to review the requirements of chapter 5 including topics for additions, alternations, repairs, and change of occupancy for both residential and commercial projects.

### Fire Pump Installation (AM)



CEU: 0.4 Instructor: John Denhardt



**SESSION 93** 

TRACK 6

This presentation details the requirements of the installation of fire pumps. The content will summarize the layout and provisions of NFPA 20, Standard for the Installation of Stationary Pumps for Fire Protection. The content will display pump types, drivers, and configuration. Specific topics include suction pipe, discharge pipe, pumps, bypass assemblies, controllers, power supplies, and pump room requirements.

### Installation of Storage Sprinklers (PM) LIVE ONLY



CEU: 0.4 Instructor: John Denhardt

This presentation will review the installation requirements for the three types of sprinklers that are used in storage occupancies – control mode density area (CMDA), control mode specific application (CMSA), and early suppression fastresponse (ESFR) sprinklers – will be discussed. This seminar will discuss the unique installation and obstruction rules based on the requirements of NFPA 13 and the listings for each of these types of sprinklers.

## 2024 IBC Exterior Wall & Opening Protection (AM)



CEU: 0.4 Live Instructor: Doug Thornburg Virtual Instructor: Jay Woodward



This seminar addresses the various provisions in the IBC dealing with the fire-resistance of exterior walls, projections and parapets, and the fire protection of doors and windows in such walls, based on fire separation distance. Although exterior walls are primarily regulated by Table 705.5 due to their location on the lot, including where two or more buildings occur on the same lot, many other requirements are set forth in the code. Exterior bearing walls are regulated by Table 601, while the use of exterior exit stairways, egress courts and exterior areas of assisted rescue will also typically mandate some degree of fire-resistance.

### 2024 IBC Mixed Occupancies (PM)



CEU: 0.4 Live Instructor: Doug Thornburg Virtual Instructor: George Mann

LIVE
SESSION 95
TRACK 7
VIRTUAL
SESSION 97
TRACK 8

Based on the provisions of IBC Section 508, this seminar addresses those special requirements applicable to buildings containing two or more occupancy classifications. The three mixed-occupancy options are presented along with examples and exercises that illustrate the proper application of the provisions. Specific topics include, occupancy classification, mixed occupancy conditions, accessory occupancies, nonseparated occupancies, separated occupancies and multistory conditions.

### **Medical Facilities and Electrical Systems**



CEU: 0.8 Instructor: Mark Ode



This program will address the NEC requirements for designing and installing electrical installations in dental offices, dental surgery facilities, small and large medical offices, quick care facilities and medical surgery centers. There will be focus on the required specialty grounding and bonding, the required hospital grade receptacle outlets and the installation process for isolated ground (IG) receptacles in these facilities with special definitions required for general and critical care installations. Installation requirements for isolated power systems used for wet procedures will be discussed as well as ground fault protection of equipment (GFPE) in these locations based on 230.95 and 517.17 of the NEC. Design and installation requirements for essential electrical systems, such as life safety, critical, and equipment branch power, as determined by the NEC, NFPA 99, and NFPA 110 will also be reviewed.

### Grounding & Bonding from the **Ground Up**





CFU: 0.8 Instructors: Christel Hunter& Randy Hunter

This seminar is designed from an inspector's point of view and is a must for those looking to broaden their understanding of grounding for premises wiring systems from the grounding electrode all the way to the branch circuit equipment grounding conductors. The program will include the fundamentals and practices of grounding and bonding in easily understood language using tables, references and applications for each. Activities and discussion guestions are included to enhance learning. Attendees should bring 2023 NEC.

### **Accessibility Significant Changes**



CEU: 0.8 Instructor:



Steve Thomas

Comprehensive Discussion of the many changes in the Accessibility codes and how to apply them. The seminar will also discuss the differences between the provisions enforced by the building department and the American Disabilities Act Accessibility Guidelines.

### Interior Finishes and Foam Plastics



CEU: 0.8 Instructor: Gil Rossmiller



This seminar will provide a brief discussion of the requirements of Chapters 8 and 26 of the International Building Code. The flame spread requirements for interior wall and ceiling finishes will be evaluated to assist plans examiners and inspector in determining code compliance. The installation and protection of foam plastics installed in buildings will also be discussed.

Leadership IMPACT – Decision Making and Ethics (AM)	LIVE SESSION 102
	TRACK 13
	VIRTUAL
	<b>SESSION 104</b>
Instructors: Tim Schneider &	TRACK 14

Instructors: Tim Schneider & Kelley Reynolds

A leader's decisions become a lasting part of his or her legacy. Making the right decision, in the right time frame, with the correct information and involving the right people is one key focus of this program. The delicate balance between rash or too quick decisions and overly deliberative decisions is the starting point followed by examining decision making levels and who should be making those decisions. Understanding unintended consequences and applying some basic critical thinking will improve decision quality tremendously. As important as decisions are, making sure those decisions and other choices maintain ethical congruence is equally important. This program will provide participants with the tools to keep integrity always, refer to an organization's ethical values and avoid pitfalls associated with personal morality and beliefs. When ethical values are strong, a leader maintains the highest credibility with her or his team and can continue to successfully lead.

### Leadership IMPACT – Personal Power & Relationships (PM)





Instructors: Tim Schneider & Kelley Reynolds

Although the word power has certain stigma attached, leaders need power to operate and to lead. This program will provide the skills to manage the types of leadership power and create an effective balance between the five power types for a more successful connection with team member and more sustained organizational results. Relationship power is the most critical of the power types and building networks of influence using relationship techniques will be provided. Additional tools for Leadership Success-Personal Power and Relationships include seeing the big picture or global perspective, appreciation of workplace diversity and creating some charismatic charm for your role as a leader. Because this leadership competency is about the outward you, key skills related to teamwork, empathy and dealing successfully with conflict will also be presented.

### Preparing You Case – Documentation, **Report Writing, and Evidence (AM)**

LIVE ONLY **SESSION 106** TRACK 15



CEU: 0.4 Instructor: Greg Smith

This class will go over procedures, processes, and best practices for maintaining professional documentation, writing reports, and documenting evidence for Housing Inspections, Code Enforcement cases, and Building Permit and Plan submittals and reviews with the assumption that someday the information will be needed at a hearing, appeal or court proceeding.

### From Reactive to Responsive – **Reimaging Code in your Community (PM)**



CEU: 0.4 Instructor: Greg Smith

We will delve into identifying challenges of the old system and explore a new vision that emphasizes proactive collaboration. Learn how data-driven decisions can inform your approach, and discover strategies for engaging your community every step of the way.

LIVE ONLY

**SESSION 107** 

TRACK 15

LIVE

**SESSION 108** 

TRACK 16

### **Apartment Buildings: Fire &** Life Safety (AM)



INTERNATIONAL CODE COUNCIL®

CEU: 0.4 Instructor: Cash Olszowy

The design and construction of apartment buildings requires the application of unique IBC requirements. This seminar focuses on those fire and life safety provisions that are generally limited to multi-family residential buildings or those requirements that are commonly applied. Provisions specific to residential building classification, construction type, fire-resistance, fire protection and means of egress will be addressed.

Apartment	Buildings: Accessibility (PM)	LIVE
	CELT: 0.4	SESSION 109
	nstructor: Jay Woodward	TRACK 16

The regulation of apartment buildings typically includes ensuring accessible entry, spaces and features to an established degree. This seminar addresses both the scoping requirements of the IBC and the technical requirements found in ICC A117.1 that are specifically applicable to multi-family Group R-2 occupancies. Emphasis will be placed on the design and construction of Type A and B units.



### **Plan Review Skills**



CEU: 0.8



Instructors: Jessie Sorensen & TRAC John Gibson

A successful plan reviewer must have the requisite technical and soft skills in order to excel in their role to ensure safe, code-compliant buildings. This seminar provides guidance on positive behaviors, approaches and techniques that the plan reviewer may employ in order to achieve an efficient plan review. The publication *Plan Review Skills*, published by ICC, is the basis for the information presented.

## Protect Your Openings – Fire Doors and Fire Windows (AM)

LIVE ONLY SESSION 111 TRACK 18

CEU: 0.4 Instructor: Rich Walke

This program provides a detailed look at the requirements of Chapter 7 of the 2021 International Building Code for protection of fire door and fire window assemblies. For each topic, the program includes a discussion of code requirements, the referenced standards, the testing process, the installation process, and the available methods of demonstrating code compliance. In addition, it will cover the maintenance requirements of the International Fire Code.

### Protecting Duct and Air Transfer Openings (PM)



CEU: 0.4 Instructor: Rich Walker

This program provides a detailed look at the requirements of Chapter 7 of the 2021 International Building Code for protecting duct and air transfer opening, in most cases with dampers. The program includes a discussion of code requirements, the referenced standards, the testing process, the installation process, and the available methods of demonstrating code compliance. In addition, it will cover the maintenance requirements of NFPA 80 and the International Fire Code.

### 2024 ISPSC/USPSHTC Essentials (AM)



CEU: 0.4 Instructor: Richard Anderson



This seminar will cover the essential provisions for applying the 2024 International Swimming Pool and Spa Code (ISPSC) or 2024 Uniform Swimming Pool, Spa and Hot Tub Code (USPSHTC) to the most encountered practices for aquatic recreation facilities, public/residential swimming pools and public/residential spas. Participants will discuss scenarios, how the ISPSC and USPSHTC can be applied, and take part in knowledge review activities. Information presented will allow participants to have a more complete understanding of code requirements and how to apply them when designing, installing, and inspecting an aquatic recreational facility, swimming pool, or spa.

### Medical Gas Basics (PM)



CEU: 0.4 Instructor: Scott Winn



VIRTUAL

**SESSION 115** 

TRACK 20

An introduction to Medical Gas Systems covering basics of source equipment, piping, valves, inlets/outlets, and alarms. Also briefly discussing installation, inspection, verification, and maintenance requirements.

### NFPA 13D – Multipurpose Residential Fire Sprinklers (AM)



CEU: 0.4 Instructor: Scott Winn

This presentation will explain the fundamentals of Residential Fire Sprinkler systems, specifically Multi-Purpose Residential Fire Sprinkler systems. We will highlight similarities between IRC and NFPA 13D residential fire sprinkler requirements. We will also briefly review sizing criteria for residential fire sprinkler systems and discuss the advantages of Residential Fire Sprinkler systems.

### Electrification and the Built Environment (PM)



CEU: 0.4 Instructor: Mark Fasel



### **Report Writing (PM)**



CEU: 0.4 Instructor: Tim Ryan



LIVE ONLY

**SESSION 121** 

TRACK 24

Effective writing is vital to your career as an inspector, notices of violation, letters and reports are public documents that may be read by supervisors, attorneys, judges, citizens, design professionals, contractors and reporters. What you write can become the basis for appeal hearings and criminal and civil trials but also could prevent cases from going to court. Your inspection reports and notices of violation will compel a property owner to take action. Your writing skills can help to advance your career. This seminar provides knowledge and skills for effectively writing reports and violation notices for code professionals of all levels. Participants will learn the importance of writing a good report, writing professional sentences and choosing the correct terminology to use. Through examples and practice opportunities, participants will become more skilled at writing and editing their work.

### Understanding the Fire Alarm Requirements of the IBC



CEU: 0.8 Instructor: Brad Cronin

This seminar is beneficial for designers of fire alarm systems, project managers or lead installers responsible for fire alarm systems and authorities having jurisdiction responsible for fire alarm system plan review and acceptance testing. It is also useful for those preparing for the NICET Level III and IV computer-based test. Discussions and practical exercises are used to improve the participant's knowledge of and how to use the building and fire codes in determining fire alarm requirements.

This seminar will provide an overview of what electrification means and how the 2024 I-Codes provides requirements that not only protect the environment, but also safeguard public health and safety. Requirements for the installation of heat pump technologies, hydronic piping systems, solar thermal systems and other types of technologies and systems that help to reduce greenhouse gas emissions as regulated by the 2024 International Mechanical Code (IMC) and 2024 International Fuel Gas Code (IFGC) will be discussed.

### 2024 IBC/IFC: Hazardous Materials



CEU: 0.8 Live Instructor: Chris Kimball Virtual Instructor: Craig Hanson LIVE SESSION 117 TRACK 21 VIRTUAL SESSION 118 TRACK 22

The purpose of this course is to cover the hazardous material provisions that are outlined in both the International Building Code (IBC) and the International Fire Code (IFC). The course first covers the requirements of IBC Chapters 3 and 4 and then will dig into the more detailed provisions of Chapters 50 through 67 of the IFC. This course is laid out to assist design professionals, building officials, and fire code officials to better understand the hazardous material provisions of both the IBC and IFC.

### Inspector Bootcamp: Single Family Residence (AM)





CEU: 0.4 Instructor: Nathan Ball

This class offers a basic overview of inspections performed during the construction of a single family residence. Students will gain a firm understanding of the inspection process from underground inspections all the way through final inspection. This class is good for new inspectors, plan checkers, permit technicians, job site superintendents, and anyone who is interested in the overall inspection process.

### 2024 IBC Transition from the 2018 IBC



CEU: 0.8 Instructor: Doug Thornburg



INTERNATIONAL CODE COUNCIL®

This seminar will assist participants in implementing the transition from the 2018 to the 2024 International Building Code. It will include relevant changes that occurred in both the 2021 and 2024 editions. Although most of the presentation focuses on revisions to the IBC fire- and life-safety provisions, additional areas of discussion include accessibility, construction materials and building services.

### 2024 IFC Transition from the 2018 IFC



CFU: 0.8 Instructor: Terrell Stripling



LIVE

**SESSION 124** 

TRACK 3

This seminar will assist participants in transitioning from the 2018 International Fire Code to the 2024 IFC. This course will focus on the major changes and their effects on design, construction, operations and inspection requirements. The course includes revisions occurring in the 2018 IFC and the 2021 IFC, and new hazards addressed in the 2024 IFC which do not appear in the 2021 IFC.

### **2024 IEBC Essentials**



CFU: 0.8 Instructor: Sandra Hyde

This seminar will introduce critical concepts of the 2024 International Existing Building Code (IEBC). It will provide a basis for the correct use and application of the code. The discussion will build an understanding of the intent of the code through detailing basic tables, categorizations and a case study.

### 2024 IBC Significant Structural **Changes with ASCE-7**



Instructor: Buddy Showalter

VIRTUAL

SESSION 125

TRACK 4

LIVE ONLY

**SESSION 126** 

TRACK 5

This full-day seminar reviews and analyzes selected significant structural changes from the 2021 to the 2024 edition of the International Building Code (IBC). The program identifies the specific code changes that have occurred along with the reasoning behind the changes. Topics include:

- Changes to provisions for walls (Chapter 14)
- Roofs (Chapter 15)
- Structural design (Chapter 16)
- Special inspections (Chapter 17)
- Soils/foundations (Chapter 18)
- Materials including concrete, masonry, steel, wood and glass (Chapters 19-24)
- Updated provisions for temporary structures (Chapter 31)
- Changes to the IBC-referenced 2022 ASCE/SEI 7 Minimum Design Loads and Associated Criteria for Buildings and Other Structures (ASCE 7-22)
- Environmental loads discussed include rain, snow, ice, wind, tornado, earthquake, tsunami and flood.

CEU: 0.8

### Plan Review: Commercial and **Residential Thermal Envelopes**



Instructor: Hope Medina

There are so many provisions for the thermal envelop that need to be provided on the plans for an adequate review. What are the items that need to be shown, and where should I be looking for these provisions? We are going to walk through how to perform an energy plan review for the thermal envelope for both residential and commercial. This will be a hands on event that is a great exercise for plans examiners, inspectors, and architects alike.

### Sprinkler System Hydraulics (AM)



CEU: 0.4 Instructor: John Denhardt



LIVE ONLY SESSION 128

TRACK 6

This presentation will provide a comprehensive overview of the hydraulic principles used to calculated sprinkler systems. Examples will focus on friction loss, providing a deep dive into the Hazen-Williams Formula and practical applications in fire sprinkler systems. Additional topics cover system area limitations, factors influencing minimum pipe size, velocity control strategies, and troubleshooting friction loss issues through case studies and real-world applications. This course is essential for professionals seeking to enhance their understanding of the processes behind the various hydraulic calculation software used in the sprinkler industry.

### Sprinkler System Plan Review (PM)



CEU: 0.4 Instructor: John Denhardt

This seminar will guide attendees in a discussion of the requirements for plans and calculations contained in NFPA 13, Standard for the Installation of Sprinkler Systems. It will include an exercise in hands-on review of a sprinkler system plan, including the overall design concept, hydraulic calculations, and the underground supply system. Evaluation of the decisions made on the part of the system designer dealing with hazard and commodity classification, building construction type, positioning of the sprinklers and their spacing, and materials selection will all be among the topics which are a part of the review.

## 2024 IBC Use of Fire & Smoke Separations (AM)



Instructor: George Reid

This seminar identifies the many and varied conditions identified in the IBC where fire and/or smoke separations are required. The discussion will focus on those required locations where fire-resistance-rated wall and horizontal assemblies, as well as smoke-resistive wall and horizontal assemblies are either required by the IBC or utilized by design professionals as alternative approaches to code compliance. Such locations include the selective or mandated use of fire walls, fire barriers, fire partitions, smoke barriers, horizontal assemblies and other separation elements.

### 2024 IBC Special Building Types, Features and Hazards (PM)



CEU: 0.4 Instructor: George Mann

Based on selected provisions from Chapter 4, this seminar focuses on several special building types, features and hazards. High-rise buildings, underground buildings, mall buildings, parking garages, aircraft hangars and special amusement buildings are specialized structures that have their own unique considerations. Atriums, stages and platforms are building features that are evaluated in a special manner due to the uniqueness of their use. High-hazard conditions are regulated specifically through provisions addressing combustible storage, hazardous materials, Group H occupancies, spray application of flammable finishes, medical gas storage rooms and higher education laboratories.

LIVE

**SESSION 130** 

TRACK 7

### 2024 IBC Special Building Types, Features and Hazards (AM)



CEU: 0.4 Instructor: George Mann

Based on selected provisions from Chapter 4, this seminar

focuses on several special building types, features and

hazards. High-rise buildings, underground buildings, mall

own unique considerations. Atriums, stages and platforms

are building features that are evaluated in a special manner

due to the uniqueness of their use. High-hazard conditions

occupancies, spray application of flammable finishes, medical

are regulated specifically through provisions addressing combustible storage, hazardous materials, Group H

gas storage rooms and higher education laboratories.

2024 IBC Use of Fire & Smoke

amusement buildings are specialized structures that have their

buildings, parking garages, aircraft hangars and special



VIRTUAL

**SESSION 132** TRACK 8

### Grounding & Bonding from the Ground Up (AM)

CEU: 0.4



Instructors: Christel Hunter& Randy Hunter

This seminar is designed from an inspector's point of view and is a must for those looking to broaden their understanding of arounding for premises wiring systems from the grounding electrode all the way to the branch circuit equipment grounding conductors. The program will include the fundamentals and practices of grounding and bonding in easily understood language using tables, references and applications for each. Activities and discussion guestions are included to enhance learning. Attendees should bring 2023 NEC.

### **Senior Living Facilities**



CEU: 0.8 Instructor:



LIVE

**SESSION 133** 

TRACK 9

Steve Thomas

This full day class will explore the design and review of senior living facilities under the International Building Code. The market is supporting the development of mixed used projects that include independent living facilities (Group R-2), assisted living facilities (Group I-1), memory care facilities (Group I-2) and other associated occupancies. This seminar will discuss the inherent issues with these types of uses and application of the code provisions. The discussion will also include the interaction of the IBC and NFPA 101 Life Safety Code in these types of uses.



CFU: 0.4 Instructor: Scott Adams

Separations (PM)

This seminar identifies the many and varied conditions identified in the IBC where fire and/or smoke separations are required. The discussion will focus on those required locations where fire-resistance-rated wall and horizontal assemblies. as well as smoke-resistive wall and horizontal assemblies are either required by the IBC or utilized by design professionals as alternative approaches to code compliance. Such locations include the selective or mandated use of fire walls, fire barriers, fire partitions, smoke barriers, horizontal assemblies and other separation elements. Specific topics include: Separated occupancies, Control areas, Incidental use areas, Institutional and residential occupancies, Exit ways, Smoke compartments, Fire areas, Separate buildings, and Shaft enclosures

### **Accessibility Significant Changes**



CEU: 0.8 Instructor: Bill Clayton



Comprehensive discussion of the many changes in the Accessibility codes and how to apply them. The seminar will also discuss the differences between the provisions enforced by the building department and the American Disabilities Act Accessibility Guidelines.

### Leadership IMPACT – Innovation and Change (AM)





Instructors: Tim Schneider & Kelley Reynolds

We have more memory and storage in our phones compared to the first computers we owned. Drones deliver packages to our doorstep. Human organs are being grown in a laboratory and you can't give away CD's, DVD's or VHS tapes at a garage sale.

Change and innovation are everywhere and successful leaders both embrace change and stimulate innovation; both personally and with their team. This program provides the powerful tools to reduce the loss of productivity associated with any change event, build partnerships with those affected by change and work to condition their team and selves to embrace change. Leadership TRANSFORMATION-Innovation and Change also presents the skills needed to become more innovative, creative and produced sustained and impacting change in the working environment.

## Leadership IMPACT – Success Skills for Leaders (PM)

CEU: 0.4



Skills LIVE SESSION 137 TRACK 13 VIRTUAL SESSION 139

TRACK 14

Instructors: Tim Schneider & Kelley Reynolds

The challenges of day-to-day operational reality for leaders is a large. To effectively lead, a set of personal skills is needed to enhance efficiency, take care of self and deal with the difficult people that pop up. Leadership TRANSFORMATION-Success Skills for Leaders provides the personal skill set needed to navigate successfully and thrive in the modern working environment. Beginning with the key elements of time management including prioritizing, time/task blocking, reducing time parasites and scheduling, this program will enhance your personal productivity immediately. Stress management tools follow that help you cope and better understand the stress and from where it originates. The final set of skills will help you diffuse and win over difficult people. The Aegis Learning model of Listen, Validate, Respond will help you with those prickly team members, customers and even family.

### Legal Aspects of Code Enforcement (AM)





Instructor: Mitch Hammes

In this session, we discuss:

- Terminology, concepts and principles of legal issues that affect code officials in the performance of their duties.
- Discuss relevant issues to code administration.
- Introduce concepts associated with constitutional amendments, including the 1st, 4th, 5th, 10th and 14th amendments.
- Understand & define your role as a government official and as a witness.

### Basic Code Enforcement – 101/ What can Code Enforcement Learn from Killdozer? (PM)

Instructor: Mitch Hammes

What is everything that code enforcement does in a City?

Where did the idea of code enforcement all start? That is

a guestion that we get from the community and other City

departments regularly. This presentation is an overview of

enforcement tools, the unsung heroes we work with, and a

few very funny situations that make you think the show "Parks

and Recreation" isn't really all that different from real life! We will continue with introduction and open dialogue with video

clips detailing the events leading up to the Killdozer rampage

in Granby, Colorado and how personalities and actions played

what most code enforcement teams are responsible for, and all the random stuff that comes our way. We cover general enforcement process and philosophy, common violations,

CEU: 0.4



### Inspector Bootcamp: Single Family Residence (AM)



CEU: 0.4 Instructor: Nathan Ball

This class offers a basic overview of inspections performed during the construction of a single family residence. Students will gain a firm understanding of the inspection process from underground inspections all the way through final inspection. This class is good for new inspectors, plan checkers, permit technicians, job site superintendents, and anyone who is interested in the overall inspection process.

### Tiny Homes – Big Future (PM)



CEU: 0.4 Instructor: Linda Gallant



LIVE ONLY

**SESSION 145** 

TRACK 18

VIRTUAL

SESSION 143 TRACK 17

From tiny homes on wheels, to Skoolies, Conex boxes and more, we will delve into various types of builds and the applicable codes associated with each. Have you ever wondered what Tiny Home construction was about? We will go through the inspection process of what, when, where, why and how. Also introduce you to the Tiny Home concept and way of life

## A Field Gal and a Lab Guy Walk into a Bar – The Firestop Version



CEU: 0.8 Instructors: Sharon Halpert & Rich Walke

Although no longer a new industry, firestopping is still this weird topic that is often misunderstood. The people who test the materials don't often spend time in the field and the people in the field don't often spend time testing. This class will give you the best of both worlds. A former UL staff member who knows everything about fire testing, and race cars is going to sit down with a field person and former kindergarten teacher to talk about common bad installations that she wants to see people stop doing. We will address an issue, the common problematic installation, the required installation and what might happen if that installation was placed on a furnace and subject to a trial by fire. This class will be unlike any other you have ever taken. You will also be able to throw in your own questions as we work through our list, so please bring your own photos so we can include them in the class.

### **Plan Review Skills**



into the result.

AACE

CEU: 0.8 Instructors: Jessie Sorensen & John Gibson



A successful plan reviewer must have the requisite technical and soft skills in order to excel in their role to ensure safe, code-compliant buildings. This seminar provides guidance on positive behaviors, approaches and techniques that the plan reviewer may employ in order to achieve an efficient plan review. The publication *Plan Review Skills*, published by ICC, is the basis for the information presented.

AM sessions start at 7:30 am PT | PM sessions start at 1:00 pm PT

### NFPA 13D – Multipurpose Residential Fire Sprinklers (AM)



CEU: 0.4 Instructor: Scott Winn

This presentation will explain the fundamentals of Residential

Fire Sprinkler systems, specifically Multi-Purpose Residential

Fire Sprinkler systems. We will highlight similarities between IRC and NFPA 13D residential fire sprinkler requirements. We will also briefly review sizing criteria for residential fire

sprinkler systems and discuss the advantages of Residential



LIVE ONLY

SESSION 147

TRACK 19

Medical Gas Basics (PM)



CEU: 0.4 Instructor: Scott Winn



This introduction to Medical Gas reviews the basics of source equipment, piping, valves, inlets/outlets and alarms. This seminar will include information on requirements for installation, inspection, verification and maintenance.

### 2024 IBC – Chapter 7: Fire & Smoke Protection Features (1-Day)



CEU: 0.8 Live Instructor: Chris Kimball Virtual Instructor: Craig Hanson

LIVE
<b>SESSION 150</b>
TRACK 21
VIRTUAL
SESSION 151
TRACK 22

This class focuses on the requirements of Chapter 7 of the International Building Code (IBC). It addresses all types of fireresistance-rated construction including structural members, exterior walls, fire walls, fire barriers, fire partitions, smoke barriers, smoke partitions, and horizontal assemblies. The class discusses the specific requirements for openings, penetrations, and air transfer openings in rated assemblies. Some of the class time will be spent discussing prescriptive and calculated fire resistance as well as performance-based approaches.



Fire Sprinkler systems.

**Electrification and the Built** 

CEU: 0.4 Instructor: Mark Fasel

This seminar will provide an overview of what electrification means and how the 2024 I-Codes provides requirements that not only protect the environment, but also safeguard public health and safety. Requirements for the installation of heat pump technologies, hydronic piping systems, solar thermal systems and other types of technologies and systems that help to reduce greenhouse gas emissions as regulated by the 2024 International Mechanical Code (IMC) and 2024 International Fuel Gas Code (IFGC) will be discussed.

### 2024 ISPSC/USPSHTC Essentials (AM)



CEU: 0.4 Instructor: Rich Anderson



This presentation will introduce you to the backflow requirements that are included in the IPC. It will address the needs of code officials, contractors, installers, and plumbers. The seminar will include information regarding the requirements for protecting the potable water supply from contamination.

#### **Inspector Skills**



CEU: 0.8 Instructor: Tim Ryan



This seminar addresses the necessary soft skills for success as an inspector-those non-technical traits and behaviors that enhance an inspector's ability to interact with others and to successfully carry out their job duties. These include people skills such as effective communication, diplomacy and customer service, but also include skills for problem solving, professionalism, integrity, and time management. In addition to a solid understanding of the technical provisions of the codes, developing appropriate soft skills are essential in pursuing the goal of safe, healthy and durable buildings for the community. Developed specifically for construction inspectors in all disciplines, the topics covered are equally important to all employees of public service agencies including permit technicians, plan reviewers, managers, building officials and fire code officials. The information is also beneficial for developing policies and procedures to promote consistent and fair inspection practices while improving communications and public relations.

#### **Fire Alarm Inspection and Testing**



CEU: 0.8 Instructor: Brad Cronin



This class reviews the requirements for properly conducting visual inspections and testing of fire alarm systems. This is beneficial for those performing acceptance or reacceptance testing, periodic inspection, and testing; and those witnessing acceptance and reacceptance testing. The NICET process is also reviewed in this training for those preparing for FAS or ITFAS exams.

### **REGISTRATION INFORMATION**

Please visit **iccsafe.org/educode** to register. *Registration is online only.* 

If you need assistance, please contact ICC Training at (888) ICC-SAFE or <a href="mailto:learn@iccsafe.org">learn@iccsafe.org</a>

Registration fees include: instruction, reference materials or books (when applicable), lunch and break refreshments (In Person Only). Codes and other reference books are NOT provided and are the responsibility of the student. For your convenience, code books and reference materials may be purchased from the International Code Council (ICC) either online at <u>shop.iccsafe.org</u> or onsite at the ICC Bookstore. Please review the session descriptions for required reference materials or supplies.

Attendees who have signed up for the virtual classes will receive an email with class login information before the seminar.

## **REGISTRATION COSTS**

### IN PERSON REGISTRATION

\$125 – Half Day \$250 – Full Day \$900 – Full Five-Day Week per Registrant

### VIRTUAL REGISTRATION

\$75 – Half Day \$150 – Full Day \$600 – Full Five-Day Week per Registrant

### **CANCELLATION POLICY**

If you need to cancel, EduCODE must receive notification in writing by January 17, 2025 to receive a full refund. All refund requests after this date will be credited toward a future EduCODE conference attendance only. Please contact <u>learn@iccsafe.org</u> with cancellation requests.

Should circumstances beyond the control of the Southern Nevada Chapter of the International Code Council (SNICC) arise; such as acts of God, war, acts of terrorism, civil unrest, government regulations or mandates, disaster, strikes or curtailment of transportation facilities – to the extent that such circumstances make it impossible or illegal for SNICC to provide EduCODE, SNICC, its officers, members, employees and contractors shall not be held liable or responsible beyond providing a refund for the seminar.

### **SUBSTITUTIONS**

Whenever a registrant is unable to attend a paid seminar, a written request for substitution may be made by contacting ICC Training at <u>learn@iccsafe.org</u>. Include the name and email address of the current registrant and the name and email address of the registrant who will be attending. Also include the names of the courses that will be impacted. *Please note that each registration may only be substituted with one person*.

### **CONTINUING EDUCATION INFORMATION**

All EduCODE sessions are recognized by ICC's Preferred Provider Program for CEUs toward maintenance of your ICC certifications. Please





check the website for updated AIA approvals at **iccsafe.org/educode**. Check with your local licensing board for additional CEU requirements.

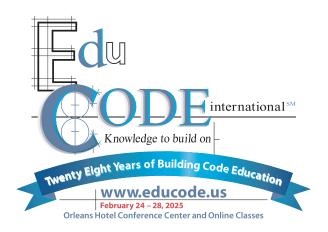
### **EDUCODE EVENTS**

- Tuesday Night (Feb. 25) | 5:30 PM 7:30 PM Student Appreciation and Networking Social Come join us for food, drinks and fun!
- Wednesday Night (Feb. 26) | 5:30 PM 7:30 PM Exhibitor and Industry Networking Game Night Food, drinks, games, prizes and tons of fun.
- Thursday Night (Feb. 27) | 6:00 PM 9:00 PM Annual Bowling Networking Event Come and join us for yet another opportunity to network outside of the classroom with your fellow students, instructors and tradeshow partners. Food, drink and prizes and lots of fun!
- EduCODE Expo | M TH 7:00 AM 3:00 PM Come visit the various suppliers of products and services that affect our built environment.
- ICC Resource Center | M TH 7:00 AM 3:00 PM

### **CERTIFICATION & TESTING**

Exams will be offered on Wednesday (Feb. 26) and Thursday (Feb. 27). Exams will begin at 5:30 PM.

Please check **iccsafe.org/educode** for more detailed information including tests offered and pricing.



### **REGISTRATION CHECKLIST**

Contact the International Code Council at 1-888-422-7233, extension 33821 or online at **iccsafe.org/educode** 

- Best Value \$\$ Full week Registration
- Deadline February 14, 2025
- For registration questions, contact the International Code Council at (888) 422-7233 Ext 33821 or <u>learn@iccsafe.org</u>

#### **Pre-Registered**?

- Virtual: A link will be emailed prior to the seminar with login instructions
- On-Site: Go directly to the Registration Desk and pick up your registration packet

#### **On Site Registration Hours**

• Sunday: 4:00 - 6:00 PM, M-F: 6:30 AM - 3:00 PM

### HOTEL CHECKLIST

- Contact The Orleans Hotel at 1-800-675-3267 or www.orleanscasino.com/groups
- Use EduCODE Group Code EDUC25P
- Deadline January 25, 2025

## EduCODE International Conference & EXPO 2025

### iccsafe.org/educode

1-888-ICC-SAFE (422-7233), ext. 33821







### SCHEDULE (VIRTUAL AND IN-PERSON)

### Full-Day Class Schedule (0.8 CEU)

- Classes Start 7:30 AM Pacific Time
- Lunch Break 1½-hour break
- Classes End 5:00 PM Pacific Time

#### Half-Day Class Schedule (0.4 CEU)

- A.M. Classes 7:30 AM 11:30 AM Pacific Time
- Lunch Break 1<sup>1</sup>/<sub>2</sub>-hour break
- P.M. Classes 1:00 PM 5:00 PM Pacific Time

International Code Council Training Department 4051 Flossmoor Road Country Club Hills, IL 60478





### www.snicc.org

www.educode.us

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