

Twenty Seven Years of Building Code Education
www.educode.us
February 26 – March 1, 2024

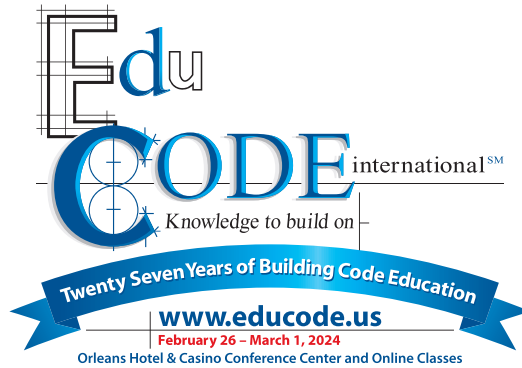
Classes offered
live and virtual!

Feb. 26 – Mar. 1, 2024

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

iccsafe.org/educode





Welcome to EduCODE 2024!

On behalf of the Southern Nevada Chapter of the International Code Council, we welcome you to our 27th year of providing outstanding educational programs. EduCODE is designed to provide the premier educational training in the country along with several networking opportunities to provide the best overall experience. EduCODE provides nationally acclaimed instructors, daytime and evening networking opportunities through the week, industry representatives showcasing their latest products, technology and services at our daily expo, and a staff that will provide outstanding customer service to make your visit beneficial, fun, and rewarding.

Where can you choose from over 130 classes both in person and online, each ICC Preferred Provider certified? Where can you brainstorm with instructors, building, fire and code enforcement professionals, students and staff, and have fun while learning? EduCODE 2024: that's where! Whether you attend for one day or for the entire week, virtually or in person, we are certain that you will have an exceptional experience that you will never forget.

During EduCode, should you have any questions or need assistance in any way, please do not hesitate to ask any of the numerous EduCODE volunteers for assistance. We will be glad to help. Welcome to EduCODE 2024! We are glad you are attending.

Sincerely,

A handwritten signature in black ink, appearing to read 'Alan R. Ellis'.

Alan Ellis
EduCODE Director

What's New for 2024

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 on **Individual Registration**. You will see the registration page as shown below. Click on New Registration and follow the prompts to complete your individual registration.



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?*

Yes No

Back

Continue

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 by clicking **Group Registration** and completing the online form on the ICC EduCODE site as in previous years (iccsafe.org/educode). 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.

SESSION DESCRIPTIONS – MONDAY, FEBRUARY 26

2024 IRC Significant Changes



CEU: 0.8
Instructor: Sandra Hyde

LIVE

SESSION 1

TRACK 1

This seminar reviews and analyzes selected significant changes from the 2021 IRC® to the 2024 IRC®. Discussions will assist code users in identifying the specific code changes that have occurred, and more importantly, understanding the reason behind the change. In addition, this seminar explains 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

VIRTUAL

SESSION 2

TRACK 2

This seminar reviews and analyzes selected significant changes from the 2021 IFC® to the 2024 IFC®. Discussions will assist code users in identifying the specific code changes that have occurred, and more importantly, understanding the reason behind the change. The code changes to be addressed were selected due to their frequency of application, special significance or change in application.

2021 IRC Essentials



CEU: 0.8
Instructors: Buddy Showalter &
Jessie Sorensen

LIVE

SESSION 3

TRACK 3

This seminar examines basic concepts of the 2021 International Residential Code (IRC) that 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 code's intended application. This seminar will also help the code user to correctly locate the applicable code requirements.

2021 IFC Essentials



CEU: 0.8
Instructor: Terrell Stripling

VIRTUAL

SESSION 4

TRACK 4

This seminar will introduce the application of many fundamental IFC provisions, including administrative functions, occupancy classification, general precautions against fire, emergency planning and preparedness, and fire service features. In addition, requirements for interior finish materials, decorative materials and furnishings, fire protection systems and means of egress will be discussed. An introduction to hazardous materials will also be provided. This seminar is designed to familiarize and assist code officials in locating, describing and applying applicable code requirements of the IFC to determine compliance or noncompliance.

IFC Chapter 32; High Piled Storage Requirements



CEU: 0.8
Instructor:
Keith Heckler

LIVE ONLY

SESSION 5

TRACK 5

This course is designed to sequentially follow the format of Chapter 32, section by section, step by step. A heavy emphasis will be placed on the details associated with the construction document requirements and the storage layout plan. The class will divert down supplemental pathways that lead to other sections in the IFC and external references. One of the objectives for the class will allow designers and reviewers to analyze the amount of time necessary in design or for review and the fundamental knowledge required for this topic.

SESSION DESCRIPTIONS – MONDAY, FEBRUARY 26

2021 IBC Occupancy Classification (AM)



CEU: 0.4

Instructor: Doug Thornburg

LIVE

SESSION 6

TRACK 6

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.

2021 IBC Use of Fire Sprinklers & Alarms (PM)



CEU: 0.4

Instructor: Jay Woodward

LIVE

SESSION 7

TRACK 6

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:

- Overview of fire protection systems
- Definition and application of fire areas
- Required sprinkler and alarm protection based on occupancy classification
- Optional use of automatic sprinkler systems.

2021 IBC Occupancy Classification (AM)



CEU: 0.4

Instructor: Jay Woodward

VIRTUAL

SESSION 8

TRACK 7

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.

2021 IBC Use of Fire Sprinklers & Alarm (PM)



CEU: 0.4

Instructor: George Mann

VIRTUAL

SESSION 9

TRACK 7

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:

- Overview of fire protection systems
- Definition and application of fire areas
- Required sprinkler and alarm protection based on occupancy classification
- Optional use of automatic sprinkler systems.

2023 NEC Changes



CEU: 0.8

Instructors:

Randy & Chris Hunter

LIVE

SESSION 10

TRACK 8

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.*

SESSION DESCRIPTIONS – MONDAY, FEBRUARY 26

NEC Requirements for Residential Installations



CEU: 0.8
Instructor: Keith Lofland

VIRTUAL
SESSION 11
TRACK 9

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.

IRC Inspections



CEU: 0.8
Instructor:
Gil Rossmiller

LIVE
SESSION 12
TRACK 10

This seminar examines basic concepts of the 2021 International Residential Code (IRC) that 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 code's intended application. This seminar will also help the code user to correctly locate the applicable code requirements.

Hazardous Materials for Building Officials



CEU: 0.8
Instructor: Steve Thomas

VIRTUAL
SESSION 13
TRACK 11

This is a full-day class that covers the subject of hazardous materials to assist the Building Official in properly dealing with the more dangerous occupancies. The pertinent sections of the IBC regarding Hazardous Materials will be covered, including each type of H occupancy, as well as additional sections of some other codes. The class covers how to correctly classify materials, correctly determine when a label of "H" occupancy is appropriate and determines various manners of protection required to reduce risk. Control areas, storage, open and closed systems will all be discussed in depth. Tips on analyzing materials, going over available resources and special requirements will also be covered. Time will be spent helping to understand MSDS sheets and evaluating specific hazardous situations. Real life examples will be brought up with class participation encouraged in analyzing the possible dangers.

Leadership IMPACT – Communications



CEU: 0.8

LIVE
SESSION 14
TRACK 12

Instructors: Tim Schneider &
Kelley Reynolds

VIRTUAL
SESSION 15
TRACK 13

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.

SESSION DESCRIPTIONS – MONDAY, FEBRUARY 26

Nuisance Abatement After the Disaster (AM)



CEU: 0.4
Instructor: Vincent Snyder

LIVE

SESSION 16

TRACK 14

Attendees will learn how to plan and assess areas that have been affected by disasters through abatement of nuisances when your typical abatement procedures may not be practical. Illegal dumping can run rampant so this class will offer a softer approach for compliance prior to conducting court abatements on affected victims. This will be a powerful and very interactive presentation to help jurisdictions put a quick as well as a long-term plan into action after a natural disaster from a code nuisance perspective.

Building an Illegal Dumping Code Officer Program (PM)



CEU: 0.4
Instructor: Vincent Snyder

LIVE

SESSION 17

TRACK 14

- State code and local ordinance structure for the position authority
- Finding your candidate
- Job description parameters & scope of duty
- Developing a removal mitigation plan with Municipal Solid Waste or contractor
- Prevention. What works and what doesn't
- Illegal dumping and the growing homeless issues
- Report writing and court testimony
- Data collection for purposes of program building, expanding, and funding
- Program growing pains

This will be a very interactive class as no one jurisdiction has the exact same situation. It also will be very beneficial to have members of the class give their ideas and practices already in place.

Plan Check & Inspection of CPVC Fire Sprinkler Systems (AM)



CEU: 0.4
Instructor: Scott Harrison

LIVE

SESSION 18

TRACK 15

A presentation that provides an insight into the design and installation requirements of NFPA 13 (Light Hazard), NFPA 13D and NFPA 13R CPVC Fire Sprinkler Systems for the purpose of Plan Check and Inspections. The presentation provides field installation images, hands-on of actual pipe & fitting components and an open forum to address field installation and inspection issues.

CPVC Piping for Plumbing and Mechanical Applications (PM)



CEU: 0.4
Instructor: Mario Orlando

LIVE

SESSION 19

TRACK 15

This class will introduce participants to the fundamental science of plastic piping systems and the code guidance on the use and installation of such systems. The course will note references in both the IPC and UPC as well as industry recommendations for best results. Particular focus will be given to ABS, PVC, and CPVC as well as mention of PEX, polyethylene, polypropylene, and PVDF. Illustrations of proper and improper installations will be provided.

Wood: Fire Hazard and Fire-Rated Construction



CEU: 0.8
Instructors: Chris Athari,
Jim Gogolski

VIRTUAL

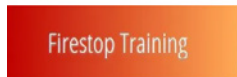
SESSION 20

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 wildland-urban 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.

SESSION DESCRIPTIONS – MONDAY, FEBRUARY 26

Inspection Challenges of Firestopping



CEU: 0.8
Instructor: Brice Miller

LIVE ONLY
SESSION 21
TRACK 17

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)



CEU: 0.4
Instructor: Gary Gauthier

LIVE
SESSION 22
TRACK 18

This seminar introduces participants to the major changes from the 2021 IPC and 2021 UPC to the 2024 IPC and 2024 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)



CEU: 0.4
Instructor: Richard Anderson

LIVE
SESSION 23
TRACK 18

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: Jim Cika

VIRTUAL
SESSION 24
TRACK 19

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: Mark Fasel

VIRTUAL
SESSION 25
TRACK 19

This seminar introduces participants to the major changes from the 2021 IPC and 2021 UPC to the 2024 IPC and 2024 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.

Simplified Structural Plan Review



CEU: 0.8
Instructor: Chris Kimball

LIVE
SESSION 26
TRACK 20

This seminar provides a step-by-step approach for performing a structural plan review to ensure that projects conform to the structural requirements of the 2021 IBC. The review process provided is strictly for residential to moderately sized commercial projects, as larger projects may require a more extensive structural review. The seminar does not teach how to perform structural calculations, but rather explains how to verify the project's design assumptions and overall compliance with the building code. Many examples will be given throughout in addition to sample plan review comments.

SESSION DESCRIPTIONS – MONDAY, FEBRUARY 26

IBC Chapter 3-6: Code Analysis Provisions



CEU: 0.8
Instructor: Todd Snider

VIRTUAL
SESSION 27
TRACK 21

This course will focus on the code analysis provisions outlined in Chapters 3 through 6 of the 2021 IBC. Understanding how the code analysis is performed and shown on the plans will help to quickly identify key code deficiencies that may exist in the design. The code analysis should provide a summary of key life safety elements to be incorporated into the project and to understand the architectural design assumptions made. Topics to be discussed will include occupancy classifications; the special detailed provisions of Chapter 4; allowable heights, number of stories, and areas; separated and nonseparated occupancies; mixed-occupancies; unlimited area provisions; types of construction; and fire-resistive construction requirements based upon the type of construction or proximity to the property line.

The Complete Permit Technician – 2 Days



CEU: 1.6
Instructor: Steve Burger

LIVE ONLY
SESSION 28
TRACK 22

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

2021 B1 Residential Building Inspector Certification Test Academy – 3 Days



CEU: 2.4
Instructors: John Gibson, Tim Ryan

LIVE ONLY
SESSION 29
TRACK 23

The residential building inspector test academy is designed to assist you with taking the B1 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: code administration; building planning; footings and foundation; floor construction; wall construction and coverings; roof/ceiling construction and public safety and special construction of the residential building inspector certification exam.

Required Materials: For this academy, you will need the 2021 International Residential Code

NOTE: Exam not included but can be purchased separately.

SESSION DESCRIPTIONS – TUESDAY, FEBRUARY 27

2024 IBC Significant Changes



CEU: 0.8
Instructors: Doug Thornburg,
Sandra Hyde

LIVE
SESSION 30
TRACK 1

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. A substantial number of significant structural changes will also be discussed.

2024 IRC Significant Changes



CEU: 0.8
Instructors: Buddy Showalter,
Jessie Sorensen

VIRTUAL
SESSION 31
TRACK 2

This seminar reviews and analyzes selected significant changes from the 2021 IRC® to the 2024 IRC®. Discussions will assist code users in identifying the specific code changes that have occurred, and more importantly, understanding the reason behind the change. In addition, this seminar explains those code changes selected due to their frequency of application, special significance or change in application.

2021 IFC Essentials



CEU: 0.8
Instructor: Terrell Stripling

LIVE
SESSION 32
TRACK 3

This seminar will introduce the application of many fundamental IFC provisions, including administrative functions, occupancy classification, general precautions against fire, emergency planning and preparedness, and fire service features. In addition, requirements for interior finish materials, decorative materials and furnishings, fire protection systems and means of egress will be discussed. An introduction to hazardous materials will also be provided. This seminar is designed to familiarize and assist code officials in locating, describing and applying applicable code requirements of the IFC to determine compliance or noncompliance.

2021 IBC Essentials



CEU: 0.8
Instructor: Roger Axel

VIRTUAL
SESSION 33
TRACK 4

This seminar focuses on the basic concepts of the 2021 International Building Code (IBC), providing a basis for the correct utilization of the code's provisions. A clear understanding of the identified requirements allows the code user to properly apply the IBC and helps to build an understanding of the intent of the code and its application. The discussion will also provide a basis for beginning to develop a procedure for applying the IBC's requirements. Additionally, the seminar will address the code's scope and organization.

SESSION DESCRIPTIONS – TUESDAY, FEBRUARY 27

Kitchen Exhaust and Grease Duct Wrap



CEU: 0.8

Instructor: Sharon Halpert

LIVE ONLY

SESSION 34

TRACK 5

When it comes to commercial kitchens, it's not a matter of IF there will be a fire. It's more a matter of WHEN there is a fire. This class just might change how you look at grease duct wrap. General overview- after session participants will be able to

- Better understand how grease duct wrap testing has changed and why
- Understand the most common non-compliance issues
- Understand how to review some more unique applications
- Identify poor installations based on a few universal rules
- Know when banding is allowed or pinning is required- AND WHY
- Apply this new information in the field.

People who have attended this class make comments like, "We have never done this right, EVER" and "You talked codes and standards all class, but it was FUN. WOW, and I learned a lot, thanks!"

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

2021 IBC Types of Construction (AM)



CEU: 0.4

Instructor: Jay Woodward

LIVE

SESSION 35

TRACK 6

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.

2021 IBC Allowable Heights & Areas (PM)



CEU: 0.4

Instructor: Jay Woodward

LIVE

SESSION 36

TRACK 6

Based on the provisions of IBC Chapter 5, this seminar focuses on how a building's occupancy classification and type of construction relate to the maximum building size permitted by the IBC. The approach to determining a building's maximum allowable height and area is explained, including use of Tables 504.3, 504.4 and 506.2 and all related permitted increases due to sprinkler protection and frontage open space. Detailed provisions related to mezzanines, unlimited area buildings, occupied roofs, fire walls and horizontal building separations are also addressed.

2021 IBC Types of Construction (AM)



CEU: 0.4

Instructor: George Mann

VIRTUAL

SESSION 37

TRACK 7

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.

2021 IBC Allowable Heights & Areas (PM)



CEU: 0.4

Instructor: George Mann

VIRTUAL

SESSION 38

TRACK 7

Based on the provisions of IBC Chapter 5, this seminar focuses on how a building's occupancy classification and type of construction relate to the maximum building size permitted by the IBC. The approach to determining a building's maximum allowable height and area is explained, including use of Tables 504.3, 504.4 and 506.2 and all related permitted increases due to sprinkler protection and frontage open space. Detailed provisions related to mezzanines, unlimited area buildings, occupied roofs, fire walls and horizontal building separations are also addressed.

SESSION DESCRIPTIONS – TUESDAY, FEBRUARY 27

Branch Circuits & Feeders



CEU: 0.8
Instructor: Ryan Jackson

LIVE
SESSION 39
TRACK 8

This class focuses on Articles 210 and 215 of the National Electrical Code®. The requirements for GFCI, AFCI, and GFPE protection are covered, as are circuit conductor identification, conductor sizing and overcurrent protection, required outlets and transformer circuits. **Attendees should bring 2020 or 2023 NEC.**

2023 NEC Changes



CEU: 0.8
Instructors:
Randy & Chris Hunter

VIRTUAL
SESSION 40
TRACK 9

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 have a 2023 NEC.**

IRC Plan Review



CEU: 0.8
Instructor:
Steve Thomas

LIVE
SESSION 41
TRACK 10

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

VIRTUAL
SESSION 42
TRACK 11

This seminar 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.

Team Member Engagement (AM)



CEU: 0.4

Instructors: Tim Schneider &
Kelley Reynolds

LIVE
SESSION 43
TRACK 12

VIRTUAL
SESSION 45
TRACK 13

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.

Coaching Skills (PM)



CEU: 0.4

Instructors: Tim Schneider &
Kelley Reynolds

LIVE
SESSION 44
TRACK 12

VIRTUAL
SESSION 46
TRACK 13

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.

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

SESSION DESCRIPTIONS – TUESDAY, FEBRUARY 27

The Blueprint – Creating & Maintaining an Effective Code Compliance Program (AM)

LIVE ONLY

SESSION 47

TRACK 14



CEU: 0.4

Instructor: Marcus Kellum

“The Blueprint” class will be a guide for making, maintaining, or building a team, a project, or a code enforcement initiative. Attendees will create a template, design or pattern for success that can be followed and used in any local government space. Each community has its own pulse, so “The Blueprint” is only a model that can be customized to meet individual needs while attendees design a pattern for any local government to follow. High-performing teams have clearly defined goals and understand their role in achieving them. Attendees will develop personal and team goals to align themselves for success. Attendees will practice compassion and empathy in enforcement and learn how both refer to a caring response to someone else’s distress.

The Intangibles of Regulatory Enforcement (PM)

LIVE ONLY

SESSION 48

TRACK 14



CEU: 0.4

Instructor: Marcus Kellum

In code enforcement, there are several aspects of the job that can be considered intangible or unable to be touched, grasped, or not having physical presence. While we have processes and metrics to guide us, there are abstract qualities and attributes of effective code enforcement, and this class is designed to highlight the intangible assets used by code officials that do not appear in an SOP or contained in a policy. The attendee will be introduced to the concept of valuing intangible assets. The attendee will acquire new insights on how the intangibles can have meaningful impact on generating compliance in the community and building value that exceeds community expectations. The attendee will be introduced to the intangibles on a learning pathway that include a series of skill sets, in consecutive modules, that help learners build knowledge in a specific competency or group of related competencies.

Wood: Fire Hazard and Fire-Rated Construction

LIVE

SESSION 49

TRACK 15



CEU: 0.8

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 wildland-urban 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.

Protecting our Most Vulnerable – Fire and Smoke Protection in Key Occupancies (AM)

VIRTUAL

SESSION 50

TRACK 16



CEU: 0.4

Instructor: Octavio Valdavia

This training will cover key fire and smoke considerations for hospitals, senior living, ambulatory care and others.

Occupiable Vertical Openings – Fire, Smoke, and Egress (PM)

VIRTUAL

SESSION 51

TRACK 16



CEU: 0.4

Instructor: Tom Crewdson

This training will cover key fire and smoke considerations in a variety of spaces with vertical openings, including atriums, 2 story openings, elevator shafts and more.

SESSION DESCRIPTIONS – TUESDAY, FEBRUARY 27

Fire-Resistance-Rated Construction Requirements of the 2021 IBC



CEU: 0.8
Instructor: Rich Walke

LIVE ONLY
SESSION 52
TRACK 17

This program provides an in-depth look at the requirements of the 2021 International Building Code for fire-resistance-rated 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.

2021 IMC/UMC Essentials



CEU: 0.8
Instructor: Richard Anderson

LIVE
SESSION 53
TRACK 18

This seminar will cover the essential provisions for applying the 2021 IMC or 2021 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. 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.

2021 IPC/UPC Essentials



CEU: 0.8
Instructor: Lisa Reiheld

VIRTUAL
SESSION 54
TRACK 19

This seminar will cover the essential provisions for applying the 2021 IPC or 2021 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.

IBC Chapter 3-6: Code Analysis Provisions



CEU: 0.8
Instructor: Chris Kimball

LIVE
SESSION 55
TRACK 20

This course will focus on the code analysis provisions outlined in Chapters 3 through 6 of the 2021 IBC. Understanding how the code analysis is performed and shown on the plans will help to quickly identify key code deficiencies that may exist in the design. The code analysis should provide a summary of key life safety elements to be incorporated into the project and to understand the architectural design assumptions made. Topics to be discussed will include occupancy classifications; the special detailed provisions of Chapter 4; allowable heights, number of stories, and areas; separated and nonseparated occupancies; mixed-occupancies; unlimited area provisions; types of construction; and fire-resistive construction requirements based upon the type of construction or proximity to the property line.

Simplified Structural Plan Review



CEU: 0.8
Instructor: Todd Snider

VIRTUAL
SESSION 56
TRACK 21

This seminar provides a step-by-step approach for performing a structural plan review to ensure that projects conform to the structural requirements of the 2021 IBC. The review process provided is strictly for residential to moderately sized commercial projects, as larger projects may require a more extensive structural review. The seminar does not teach how to perform structural calculations, but rather explains how to verify the project's design assumptions and overall compliance with the building code. Many examples will be given throughout in addition to sample plan review comments.

SESSION DESCRIPTIONS – WEDNESDAY, FEBRUARY 28

2024 IFC Significant Changes



CEU: 0.8
Instructor: Scott Adams

LIVE
SESSION 57
TRACK 1

This seminar reviews and analyzes selected significant changes from the 2021 IFC® to the 2024 IFC®. Discussions will assist code users in identifying the specific code changes that have occurred, and more importantly, understanding the reason behind the change. The code changes to be addressed were selected due to their frequency of application, special significance or change in application.

2024 IBC Significant Changes



CEU: 0.8
Instructors: Terrell Stripling,
Buddy Showalter

VIRTUAL
SESSION 58
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 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. Significant structural changes will also be discussed.

2021 IBC Essentials



CEU: 0.8
Instructor: George Mann

LIVE
SESSION 59
TRACK 3

This seminar focuses on the basic concepts of the 2021 International Building Code (IBC), providing a basis for the correct utilization of the code's provisions. A clear understanding of the identified requirements allows the code user to properly apply the IBC and helps to build an understanding of the intent of the code and its application. The discussion will also provide a basis for beginning to develop a procedure for applying the IBC's requirements. Additionally, the seminar will address the code's scope and organization.

2021 IRC Essentials



CEU: 0.8
Instructors: Roger Axel

VIRTUAL
SESSION 60
TRACK 4

This seminar examines basic concepts of the 2021 International Residential Code (IRC) that 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 code's intended application. This seminar will also help the code user to correctly locate the applicable code requirements.

Storage Occupancies



CEU: 0.8
Instructor: Bob Caputo

LIVE ONLY
SESSION 61
TRACK 5

This presentation will review the general requirements for storage in NFPA 13 and guide participants through the layout of the general storage chapter highlighting commodity classification, storage arrangements, storage heights (miscellaneous/low-piled/high-piled), and clearance. In addition, 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 fast-response (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.

2021 IBC Means of Egress



CEU: 0.8
Instructor: Doug Thornburg

LIVE
SESSION 62
TRACK 6

This seminar addresses numerous provisions in the 2021 IBC pertaining to establishing a compliant means of egress system in buildings. The seminar 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, egress illumination and exit signs, and exit components, such as interior exit stairways, exit passageways and horizontal exits.

2021 IBC Means of Egress



CEU: 0.8
Instructor: Jay Woodward

VIRTUAL
SESSION 63
TRACK 7

This seminar addresses numerous provisions in the 2021 IBC pertaining to establishing a compliant means of egress system in buildings. The seminar 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, egress illumination and exit signs, and exit components, such as interior exit stairways, exit passageways and horizontal exits.

Solar PV Plan Reviews and Inspections



CEU: 0.8
Instructor: Doug Smith

LIVE
SESSION 64
TRACK 8

This full-day (8 hour) course will cover key requirements of the National Electrical Code (NEC) that governs solar PV systems. The first half of the course will focus on residential solar PV plan reviews. Topics to be covered during this portion of the presentation include wire/breaker sizing, wire derating, cold temperature voltage, rapid shutdown of systems, disconnect locations, interconnection requirements, roof fire access clearances, equipment/wiring installation, and signage. The second half of this course will explain key concepts of what to look for during installations and inspections covering residential and commercial solar PV systems. This course will be beneficial for plan reviewers, inspectors and installers and is based on the 2020 NEC. **Attendees should bring 2020 or 2023 NEC.**

Branch Circuits & Feeders



CEU: 0.8
Instructor: Ryan Jackson

VIRTUAL
SESSION 65
TRACK 9

This class focuses on Articles 210 and 215 of the National Electrical Code®. The requirements for GFCI, AFCI, and GFPE protection are covered, as are circuit conductor identification, conductor sizing and overcurrent protection, required outlets and transformer circuits. **Attendees should bring 2020 or 2023 NEC.**

IRC Sites, Soils, Footings, Foundations & Locations on the Lot



CEU: 0.8
Instructor: Gil Rossmiller

LIVE
SESSION 66
TRACK 10

This seminar provides in-depth training on the IRC code provisions for getting a “building out of the ground.” The seminar is applicable to all aspects of the regulatory/design/construction community, including contractors, design professionals, plans examiners and inspectors. Major topics include: Soils and Geotechnical Reports, Soils Drainage, Use of Prescriptive Tables, Slabs on Ground, Slope Requirements, Basements and Crawl Spaces.

SESSION DESCRIPTIONS – WEDNESDAY, FEBRUARY 28

IRC Plan Review



CEU: 0.8
Instructor:
Steve Thomas

VIRTUAL
SESSION 67
TRACK 11

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.

Self-Mastery



CEU: 0.8

LIVE
SESSION 68
TRACK 12

Instructors: Tim Schneider &
Kelley Reynolds

VIRTUAL
SESSION 69
TRACK 13

“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 into 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.

Code Enforcement Zoning and Development (AM)



CEU: 0.4
Instructor: Victor Martinez

LIVE ONLY
SESSION 70
TRACK 14

The goal of this class is to introduce students into reading proper legal descriptions, blueprints and looking at the different types of deed documents and types of ownerships that exist.

Expanded Code Enforcement – Research, Mediation, Env. Issues, Revitalization and Abatement (PM)



CEU: 0.4
Instructor: Victor Martinez

LIVE ONLY
SESSION 71
TRACK 14

The goal of this lesson is to introduce the expanded components of code enforcement and provide the skills to the students which will enable them to efficiently performing their daily duties and responsibilities.

Combustible Decorative Features and Unique Themed Environments (AM)



CEU: 0.4

Instructor: Doug Evans, P.E.

LIVE
SESSION 72
TRACK 15

Many of the facilities on The Las Vegas Strip include unique themed environments and contain artificial trees, large statues, giant signs/LED screens, hand painted canvas murals adhered to walls and even buildings within the main structure. The materials used are most apt to be regulated by Chapters 8 and 26 of the IBC as Interior finishes and plastics in building construction, but a number of additional requirements apply. These regulations along with applicable portions of the IFC are used to provide an understanding of not only those subjects, but the ability to extrapolate to unique applications. This class covers notable fire losses, present code requirements and applicable fire tests, as well as provides a way to think about unique applications to achieve a reasonable level of fire safety.

How to Interpret Deflection Points in UL 2079 (PM)



CEU: 0.4
Instructor: Mike Tullis

LIVE
SESSION 73
TRACK 15

The foundation of any building starts with the dynamic joint at the Head-of-Wall (Top-of-wall). Understanding the vertical deflection starts the process of determining the track flange size, the No-Fly Zone for MEP trades and the drywall gap required for 3dynamic Head-of-wall joint. This class will walk through the components of proper deflection joint as per the UL certification. If you have any specific examples, please them. We can research on UL product IQ and walk through the determination process.

Plan Check & Inspection of CPVC Fire Sprinkler Systems (AM)



CEU: 0.4
Instructor: Scott Harrison

VIRTUAL
SESSION 74
TRACK 16

A presentation that provides an insight into the design and installation requirements of NFPA 13 (Light Hazard), NFPA 13D and NFPA 13R CPVC Fire Sprinkler Systems for the purpose of Plan Check and Inspections. The presentation provides field installation images, hands-on of actual pipe & fitting components and an open forum to address field installation and inspection issues.

Plastic Piping Systems for Waste and Water (PM)



CEU: 0.4
Instructor: Mario Orlando

VIRTUAL
SESSION 75
TRACK 16

This class will introduce participants to the fundamental science of plastic piping systems and the code guidance on the use and installation of such systems. The course will note references in both the IPC and UPC as well as industry recommendations for best results. Particular focus will be given to ABS, PVC, and CPVC as well as mention of PEX, polyethylene, polypropylene, and PVDF. Illustrations of proper and improper installations will be provided.

Construction Rated Joint Inspection (AM)



CEU: 0.4
Instructor: Sharon Halpert

LIVE ONLY
SESSION 76
TRACK 17

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.

Firestop Special Inspection (PM)



CEU: 0.4
Instructor: Sharon Halpert

LIVE ONLY
SESSION 77
TRACK 17

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 is 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.

2021 IPC/UPC Essentials



CEU: 0.8
Instructor: Gary Gauthier

LIVE
SESSION 78
TRACK 18

This seminar will cover the essential provisions for applying the 2021 IPC or 2021 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.

2021 IMC/UMC Essentials



CEU: 0.8
Instructor: Jim Cika

VIRTUAL
SESSION 79
TRACK 19

This seminar will cover the essential provisions for applying the 2021 IMC or 2021 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.

IRC Braced Wall Provisions & Structural Concerns in Residential Construction



CEU: 0.8
Instructor: Chris Kimball

LIVE
SESSION 80
TRACK 20

This course is broken into two parts. The first part covers the braced wall provisions of the 2021 IRC in detail. Multiple examples will be given to build each attendees knowledge and understanding. A key component will be to understand the detailing requirements for conventional construction. The second part of the class will be spent reviewing specific construction and framing errors identified by licensed structural engineers and the Engineered Wood Association (APA). Load paths will be discussed in detail as well as common site conditions that should be reviewed for each project. This portion of the class will assist inspectors in the field to be able to check common framing errors such as overdriven fasteners, excess notches or holes, misplaced holdowns, etc. The residential deck provisions will also be discussed.

TRACK	Monday Feb. 26	Tuesday Feb. 27	Wednesday Feb. 28	Thursday Feb. 29	Friday March 1
Track 1: 2024 I-Codes LIVE	2024 IRC Significant Changes Session 1	2024 IBC Significant Changes Session 30	2024 IFC Significant Changes Session 57	2024 IFC Transition from the 2018 IFC Session 83	2024 IBC Transition from the 2018 IBC Session 118
Track 2: 2024 I-Codes VIRTUAL	2024 IFC Significant Changes Session 2	2024 IRC Significant Changes Session 31	2024 IBC Significant Changes Session 58	2024 IBC Transition from the 2018 IBC Session 84	2024 IFC Transition from the 2018 IFC Session 119
Track 3: 2021 I-Codes LIVE	2021 IRC Essentials Session 3	2021 IFC Essentials Session 32	2021 IBC Essentials Session 59	Demystifying Loads for Building Officials – 2024 IBC and ASCE 7-22 Session 85	Wind and Single-Family Homes AM Session 120
					Earthquakes and Single-Family Homes PM Session 121
Track 4: 2021 I-Codes VIRTUAL	2021 IFC Essentials Session 4	2021 IBC Essentials Session 33	2021 IRC Essentials Session 60	Wind and Single-Family Homes AM Session 86	Demystifying Loads for Building Officials – 2024 IBC and ASCE 7-22 Session 122
				Earthquakes and Single-Family Homes PM Session 87	
Track 5: Fire LIVE ONLY	IFC Chapter 32; High Piled Storage Requirements Session 5	Kitchen Exhaust & Grease Duct Wraps Session 34	Storage Occupancies Session 61	Sprinkler System Installation AM Session 88	Fire Alarm Plan Development, Submittal and Review Session 123
				Keeping up with NFPA 13 PM Session 89	
Track 6: Fire and Life Safety LIVE	2021 IBC Occupancy Classification AM Session 6	2021 IBC Types of Construction AM Session 35	2021 IBC Means of Egress Session 62	2021 IBC Use of Fire & Smoke Separations AM Session 90	2021 IBC Special Building Types, Features and Hazards AM Session 124
	2021 IBC Use of Fire Sprinklers & Alarms PM Session 7	2021 IBC Allowable Heights & Areas PM Session 36		2021 IBC Exterior Wall & Opening Protection PM Session 91	2021 IBC Interior Finishes PM Session 125

TRACK	Monday Feb. 26	Tuesday Feb. 27	Wednesday Feb. 28	Thursday Feb. 29	Friday March 1
Track 7: Fire and Life Safety VIRTUAL	2021 IBC Occupancy Classification AM Session 8	2021 IBC Types of Construction AM Session 37	2021 IBC Means of Egress Session 63	2021 IBC Use of Fire & Smoke Separations AM Session 92	2021 IBC Special Building Types, Features and Hazards AM Session 126
	2021 IBC Use of Fire Sprinklers & Alarms PM Session 9	2021 IBC Allowable Heights & Areas PM Session 38		2021 IBC Exterior Wall & Opening Protection PM Session 93	2021 IBC Interior Finishes PM Session 127
Track 8: Electrical LIVE	2023 NEC Changes Session 10	Branch Circuits and Feeders Session 39	Solar PV Plan Reviews and Inspections Session 64	Wiring Methods Session 94	Emergency Systems AM Session 128
					Motor Calculations PM Session 129
Track 9: Electrical VIRTUAL	Residential/NEC Installations Session 11	2023 NEC Changes Session 40	Branch Circuits and Feeders Session 65	Emergency Systems AM Session 95	
				Motor Calculations PM Session 96	
Track 10: Advanced Special Topics LIVE	IRC Inspections Session 12	IRC Plan Review Session 41	IRC Sites, Soils, Footings, Foundations & Locations on the Lot Session 66	IBC Accessibility Requirements Session 97	Hazardous Materials for Building Officials Session 130
Track 11: Advanced Special Topics VIRTUAL	Hazardous Materials for Building Officials Session 13	IRC Inspections Session 42	IRC Plan Review Session 67	IRC Sites, Soils, Footings, Foundations & Locations on the Lot Session 98	IBC Accessibility Requirements Session 131
Track 12/13: Leadership, Management & Personal Development LIVE VIRTUAL	Leadership IMPACT – Communications Session 14 Session 15	Leadership IMPACT – Team Member Engagement AM Session 43 AM Session 45	Leadership IMPACT – Self-Mastery Session 68 Session 69	Leadership IMPACT – Decision Making and Ethics AM Session 99 AM Session 101	Leadership IMPACT – Innovation and Change AM Session 132 AM Session 134
		Leadership IMPACT – Coaching PM Session 44 PM Session 46		Leadership IMPACT – Personal Power and Relationships PM Session 100 PM Session 102	Leadership IMPACT – Success Skills for Leaders PM Session 133 PM Session 135

TRACK	Monday Feb. 26	Tuesday Feb. 27	Wednesday Feb. 28	Thursday Feb. 29	Friday March 1
Track 14: Code Enforcement LIVE ONLY	Nuisance Abatement After the Disaster AM Session 16	The Blueprint-Creating & Maintaining an Effective Code Compliance Program AM Session 47	Code Enforcement Zoning and Development AM Session 70	2021 IPMC AM Session 103	Administrative Citations vs. Criminal Prosecution/Building Codes for Code Enforcement Officers AM Session 136
	Building an Illegal Dumping Code Officer Program PM Session 17	The Intangibles of Regulatory Enforcement PM Session 48	Expanded Code Enforcement- Research, Mediation, Env. Issues, Revitalization and Abatement PM Session 71	Code Tech VS. Code Officer PM Session 104	High Risk Management/Animal Interactions and Dangers PM Session 137
Track 15: Building Specialties LIVE	Plan Check & Inspection of CPVC Fire Sprinkler Systems AM Session 18	Wood: Fire Hazard and Fire-Rated Construction PM Session 49	Combustible Decorative Features and Unique Themed Environments AM Session 72	Protecting our Most Vulnerable – Fire and Smoke Protection in Key Occupancies AM Session 105	Stationary Energy Storage Systems PM Session 138
	CPVC Piping for Plumbing and Mechanical Applications PM Session 19		How to Interpret Deflection Points in UL 2079 PM Session 73	Occupiable Vertical Openings – Fire, Smoke, and Egress PM Session 106	
Track 16: Building Specialties VIRTUAL	Wood: Fire Hazard and Fire-Rated Construction Session 20	Protecting our Most Vulnerable – Fire and Smoke Protection in Key Occupancies AM Session 50	Plan Check & Inspection of CPVC Fire Sprinkler Systems AM Session 74	Coordinated Code Compliance for Thermal Envelope Applications of Foam Plastics and Continuous Insulation AM Session 107	
		Occupiable Vertical Openings – Fire, Smoke, and Egress PM Session 51	Plastic Piping Systems for Waste and Water PM Session 75	2021 IBC Exterior Wall & Opening Protection PM Session 93	
Track 17: Passive Fire Protection LIVE ONLY	Inspection Challenges of Firestopping Session 21	Fire-Resistance-Rated Construction Requirements Session 52	Construction Rated Joint Inspection AM Session 76	Doors AM Session 108	A Field Gal and a Lab Guy Walk into a Bar – The Firestop Version Session 139
			Firestop Special Inspection PM Session 77	Protecting Duct & Air Transfer Openings PM Session 109	

TRACK	Monday Feb. 26	Tuesday Feb. 27	Wednesday Feb. 28	Thursday Feb. 29	Friday March 1
Track 18: Plumbing & Mechanical LIVE	2024 IPC/UPC Significant Changes AM Session 22	2021 IMC/UMC Essentials Session 53	2021 IPC/UPC Essentials Session 78	A2L Refrigerants and Related Changes to the 2024 I-Codes AM Session 110	Medical Gas Basics AM Session 140
	2024 IMC/UMC Significant Changes PM Session 23			Hydrogen Gas in the Built Environment PM Session 111	Introduction to Backflow PM Session 141
Track 19: Plumbing & Mechanical VIRTUAL	2024 IMC/UMC Significant Changes AM Session 24	2021 IPC/UPC Essentials Session 54	2021 IMC/UMC Essentials Session 79	Medical Gas Basics AM Session 112	A2L Refrigerants and Related Changes to the 2024 I-Codes AM Session 142
	2024 IPC/UPC Significant Changes PM Session 25			Introduction to Backflow PM Session 113	Hydrogen Gas in the Built Environment PM Session 143
Track 20: Special Topics LIVE	Simplified Structural Plan Review Session 26	IBC Chapter 3–6: Code Analysis Provisions Session 55	IRC Braced Wall Provisions & Structural Concerns in Residential Construction Session 80	Fire Sprinkler Plan Review – The Basics Session 114	Fire Alarm Plan Review – The Basics Session 144
Track 21: Special Topics VIRTUAL	IBC Chapter 3–6: Code Analysis Provisions Session 27	Simplified Structural Plan Review Session 56	Fire Alarm Plan Review – The Basics Session 81	IRC Braced Wall Provisions & Structural Concerns in Residential Construction Session 115	Fire Sprinkler Plan Review – The Basics Session 145
Track 22: Office & Field Skills LIVE ONLY	The Complete Permit Technician Session 28		So, You Want to be a Building Official Session 82	Inspector Skills Session 116	Application & Administration of the I-Codes AM Session 146
					Report Writing PM Session 147
Track 23: Certification Test Academy/Energy LIVE ONLY	2021 B1 Residential Building Inspector Certification Test Academy Session 29			Residential Energy Provisions: From Design to Plans to the Field Session 117	Commercial Energy Provisions: From Design to Plans to the Field Session 148

SESSION DESCRIPTIONS – WEDNESDAY, FEBRUARY 28

Fire Alarm Plan Review: The Basics



CEU: 0.8

Instructor: Bob King

VIRTUAL

SESSION 81

TRACK 21

This course will walk the attendee through the basic steps required to perform a thorough plan review of a fire alarm submittal. This includes the review of the fire alarm shop drawings, voltage drop and battery calculations, and equipment data sheets. The specific requirements of NFPA 72 (2019 version as referenced in 2021 IFC) will be addressed, and common design issues will be highlighted. Acceptance testing and completion documentation will also be clearly noted.

So You Want to be a Building Official



BUREAU
VERITAS

CEU: 0.8

Instructor: Steve Burger

LIVE ONLY

SESSION 82

TRACK 22

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.

EduCODE 2025
Feb. 24 – 28

SAVE
THE
DATE

SESSION DESCRIPTIONS – THURSDAY, FEBRUARY 29

2024 IFC Transition from the 2018 IFC



CEU: 0.8

Instructor: Scott Adams

LIVE

SESSION 83

TRACK 1

This seminar will assist participants in implementing the transition from the 2018 IFC to the 2024 IFC. It will include relevant changes in the 2021 and 2024 editions of the IFC. This interactive training will focus on the key changes presented in the participant material. The information presented will allow for the application of these code requirements to the design, plan review, and/or inspection functions.

2024 IBC Transition from the 2018 IBC



CEU: 0.8

Instructor: John Gibson

VIRTUAL

SESSION 84

TRACK 2

This seminar will assist participants in implementing the transition from the 2018 IBC to the 2024 IBC. It will include relevant changes in the 2021 and 2024 editions of the IBC. This interactive training will focus on the key changes presented in the participant material. Emphasis will be placed on the intent and application of the changes in respect to the functions of design, plan review and inspection.

Demystifying Loads for Building Officials – 2024 IBC and ASCE 7-22



CEU: 0.8

Instructor: Buddy Showalter

LIVE

SESSION 85

TRACK 3

This full-day course will provide information to assist building officials during the plan review process on the proper evaluation of structural loads per the 2024 International Building Code® (IBC®) and the IBC-referenced 2022 ASCE/SEI 7 Minimum Design Loads and Associated Criteria for Buildings and Other Structures (ASCE 7-22). An overview of each topic along with changes that have occurred to the 2024 IBC and ASCE 7-22 will be provided along with examples to show their application. The following topics will be presented:

- Load Path, Load Combinations and Risk Categories
- Dead, Live and Rain Loads
- Snow and Ice Loads
- Wind and Tornado Loads
- Earthquake Loads
- Flood and Tsunami Loads
- Temporary Structures

Wind and Single-Family Homes (AM)



CEU: 0.4

Instructor: Sandra Hyde

VIRTUAL

SESSION 86

TRACK 4

Mid-career residential inspectors and plans examiners will find this seminar insightful as will designers looking for a review of high wind requirements for single family homes. With a focus on wood construction, this seminar dives into the details for designing and inspecting a home built to resist thunderstorm and hurricane winds. Minimum requirements for foundations, walls, roofs and floors are covered as well as a discussion of beyond code minimum options.

Earthquakes and Single-Family Homes (PM)



CEU: 0.4
Instructor: Sandra Hyde

VIRTUAL
SESSION 87
TRACK 4

Mid-career residential inspectors and plans examiners will find this seminar insightful as will designers looking for a review of earthquake related requirements for single family homes. With a focus on wood construction, this seminar dives into the details for designing and inspecting a home built to resist earthquakes. Minimum requirements for foundations, walls, roofs and floors are covered as well as building irregularity requirements.

Sprinkler System Installation (AM)



CEU: 0.4
Instructor: Bob Caputo

LIVE ONLY
SESSION 88
TRACK 5

This seminar details the requirements for the installation of sprinkler systems per NFPA 13, Standard of the Installation of Sprinkler Systems. The content will summarize the layout of the standard and the requirements of the standard. Specific content will consist of terminology, general requirements, sprinkler location requirements, and sprinkler installations requirements.

Keeping up with NFPA 13 (PM)



CEU: 0.4
Instructor: Bob Caputo

LIVE ONLY
SESSION 89
TRACK 5

This presentation will review the recent changes to NFPA 13 including the major reorganization of the standard that occurred with the 2019 edition. It includes topics on single point density designs, open racks, area of discharge, nitrogen systems, working plans, and signage. Keeping up with the changes will aid in keeping the attendee current in new requirements of NFPA 13.

2021 IBC Use of Fire & Smoke Separations (AM)



CEU: 0.4
Instructor: George Mann

LIVE
SESSION 90
TRACK 6

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. :

2021 IBC Exterior Wall & Opening Protection (PM)



CEU: 0.4
Instructor: Doug Thornburg

LIVE
SESSION 91
TRACK 6

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 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.

SESSION DESCRIPTIONS – THURSDAY, FEBRUARY 29

2021 IBC Use of Fire & Smoke Separations (AM)



CEU: 0.4
Instructor: Jay Woodward

VIRTUAL
SESSION 92
TRACK 7

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.

2021 IBC Exterior Wall & Opening Protection (PM)



CEU: 0.4
Instructor: George Mann

VIRTUAL
SESSION 93
TRACK 7

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 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.

Wiring Methods



CEU: 0.8
Instructor: Ryan Jackson

LIVE
SESSION 94
TRACK 8

This class focuses on Chapter Three of the National Electrical Code®. Article 300 applies to nearly every electrical installation and will be covered in great detail, followed by a discussion of the various wiring methods allowed in Articles 320-399.

Attendees should bring 2020 or 2023 NEC.

Emergency Systems (AM)



CEU: 0.4
Instructors:
Randy & Chris Hunter

VIRTUAL
SESSION 95
TRACK 9

Emergency systems are critical life safety installations within many of our places of assembly, like high-rise buildings and sports arenas. Learn about code-compliant installations of electrical wiring and equipment using Article 700 for Emergency Systems, Article 701 for Legally Required Standby Systems, and Article 702 for Optional Standby systems, including changes in the 2023 NEC. **Attendees should bring 2020 or 2023 NEC.**

Motor Calculations (PM)



CEU: 0.4
Instructors:
Randy & Chris Hunter

VIRTUAL
SESSION 96
TRACK 9

Learn how to size conductors, overloads, and short-circuit and ground-fault protection for motors. We will use Article 430 of the NEC to determine sizing for branch and feeder circuit components. This can be one of the more challenging articles of the NEC and understanding the code applications for motor installations will be covered in depth. Participants will have practical examples and do relevant activities during class.

Attendees should bring 2020 or 2023 NEC.

SESSION DESCRIPTIONS – THURSDAY, FEBRUARY 29

IBC Accessibility Requirements



CEU: 0.8
Instructor:
Steve Thomas

LIVE

SESSION 97

TRACK 10

Overview of the scoping provisions for accessibility in the International Building Code and the technical provisions of the ICC/ANSI A117.1 Accessible and Usable Buildings and Facilities. The seminar will also discuss differences between the provisions enforced by the building department and the American Disabilities Act Accessibility Guidelines.

IRC Sites, Soils, Footings, Foundations & Locations on the Lot



CEU: 0.8
Instructor:
Gil Rossmiller

VIRTUAL

SESSION 98

TRACK 11

This seminar provides in-depth training on the IRC code provisions for getting a “building out of the ground.” The seminar is applicable to all aspects of the regulatory/design/construction community, including contractors, design professionals, plans examiners and inspectors. Major topics include: Soils and Geotechnical Reports, Soils Drainage, Use of Prescriptive Tables, Slabs on Ground, Slope Requirements, Basements and Crawl Spaces.

Decision Making and Ethics (AM)



CEU: 0.4

LIVE

SESSION 99

TRACK 12

Instructors: Tim Schneider &
Kelley Reynolds

VIRTUAL

SESSION 101

TRACK 13

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.

Personal Power & Relationships (PM)



CEU: 0.4

LIVE

SESSION 100

TRACK 12

Instructors: Tim Schneider &
Kelley Reynolds

VIRTUAL

SESSION 102

TRACK 13

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.

SESSION DESCRIPTIONS – THURSDAY, FEBRUARY 29

2021 IPMC (AM)



CEU: 0.4
Instructor: Bryan Wagner

LIVE ONLY
SESSION 103
TRACK 14

This class will highlight the 2024 updates from the 2021 International Property Maintenance Code.

Code Tech -vs- Code Officer (PM)



CEU: 0.4
Instructor: Christylla Miles

LIVE ONLY
SESSION 104
TRACK 14

This class will briefly discuss duties and responsibilities performed by each. What is your area of expertise? Are you that person? Both positions require a superior level of customer service along with the know-how and disciplines of providing supporting documentation using computer programs. Comments, documents and verbiage must be presented with accuracy as they may fall under the Open Records Act. Information placed must be factual, non-opinionated and not biased. The interpretation and application of codes and ordinances shall be fair and consistent by code officers and code techs. Resulting cases using the correct milestones is imperative as these are official documents of record.

Protecting our Most Vulnerable – Fire and Smoke Protection in Key Occupancies (AM)



CEU: 0.4
Instructor: Dave Bauer

LIVE
SESSION 105
TRACK 15

This training will cover key fire and smoke considerations for hospitals, senior living, ambulatory care and others.

Occupiable Vertical Openings – Fire, Smoke, and Egress (PM)



CEU: 0.4
Instructor: Chad Quarrey

LIVE
SESSION 106
TRACK 15

This training will cover key fire and smoke considerations in a variety of spaces with vertical openings, including atriums, 2 story openings, elevator shafts and more.

Coordinated Code Compliance for Thermal Envelope Applications of Foam Plastics and Continuous Insulation (AM)



CEU: 0.4
Instructors:
Jay Crandell, Eric Banks

VIRTUAL
SESSION 107
TRACK 16

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.

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



CEU: 0.4
Instructor: Rich Walke

LIVE ONLY
SESSION 108
TRACK 17

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.

SESSION DESCRIPTIONS – THURSDAY, FEBRUARY 29

Protecting Duct and Air Transfer Openings (PM)



CEU: 0.4
Instructor: Rich Walke

LIVE ONLY
SESSION 109
TRACK 17

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.

A2L Refrigerants and Related Changes to the 2024 I-Codes (AM)



CEU: 0.4
Instructor: Richard Anderson

LIVE
SESSION 110
TRACK 18

This webinar provides an overview of the HVAC industry transition from HFC refrigerants to A2L refrigerants within the built environment. Topics addressed include recent Federal regulations that are driving the use of A2L refrigerants, the timeline for the phasedown of HFC refrigerants, the impacts on the latest codes and standards, and ways to adapt and prepare for the transition to A2L refrigerants.

Hydrogen Gas in the Built Environment (PM)



CEU: 0.4
Instructor: Gary Gauthier

LIVE
SESSION 111
TRACK 18

This seminar provides an overview of the global advancement of the use of hydrogen gas, including actions taken by the U.S. federal government to support the hydrogen industry. The introduction of natural gas/hydrogen fuel into the built environment as well as resources for the safe use of hydrogen by building and fire officials will be discussed. Current requirements for the installation of gaseous hydrogen systems as regulated by Chapter 7 of the 2021 International Fuel Gas Code (IFGC) will be discussed.

Medical Gas Basics (AM)



CEU: 0.4
Instructor: Scott Winn

VIRTUAL
SESSION 112
TRACK 19

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.

Introduction to Backflow (PM)



CEU: 0.4
Instructor: Scott Winn

VIRTUAL
SESSION 113
TRACK 19

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.

Fire Sprinkler Plan Review: The Basics



CEU: 0.8
Instructor: Craig Hanson

LIVE
SESSION 114
TRACK 21

This course will walk the attendee through the basic steps required to perform a thorough plan review of a fire sprinkler submittal. This includes the review of the fire sprinkler shop drawings, hydraulic calculations, sway bracing calculations, and material cut sheets. The specific requirements of NFPA 13 (2019 version as referenced in 2021 IFC) will be addressed, and common design issues will be highlighted. Acceptance testing and as-built requirements will also be clearly noted.

SESSION DESCRIPTIONS – THURSDAY, FEBRUARY 29

IRC Braced Wall Provisions & Structural Concerns in Residential Construction



CEU: 0.8
Instructor: Chris Kimball

VIRTUAL
SESSION 115
TRACK 21

This course is broken into two parts. The first part covers the braced wall provisions of the 2021 IRC in detail. Multiple examples will be given to build each attendee's knowledge and understanding. A key component will be to understand the detailing requirements for conventional construction. The second part of the class will be spent reviewing specific construction and framing errors identified by licensed structural engineers and the Engineered Wood Association (APA). Load paths will be discussed in detail as well as common site conditions that should be reviewed for each project. This portion of the class will assist inspectors in the field to be able to check common framing errors such as overdriven fasteners, excess notches or holes, misplaced holdowns, etc. The residential deck provisions will also be discussed.

Inspector Skills



CEU: 0.8
Instructor: Tim Ryan

LIVE ONLY
SESSION 116
TRACK 22

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.

Residential Energy Provisions: from Design to Plans to the Field



CEU: 0.8
Instructor: Hope Medina

LIVE ONLY
SESSION 117
TRACK 23

A house doesn't just appear. It takes the process of planning the design of the building, to details on a set of plans, to bringing it to life out in the field. The question becomes what do I need to provide on the plans for it to be reviewed and to get the desired results in the field by the contractors and for the inspectors. No matter where you fit into this process, this class is for you. We will answer these questions with examples from plans and pictures from the field, both good and not so good.

SESSION DESCRIPTIONS – FRIDAY, MARCH 1

2024 IBC Transition from the 2018 IBC



CEU: 0.8

Instructor: Doug Thornburg

LIVE

SESSION 118

TRACK 1

This seminar will assist participants in implementing the transition from the 2018 IBC to the 2024 IBC. It will include relevant changes in the 2021 and 2024 editions of the IBC. This interactive training will focus on the key changes presented in the participant material. Emphasis will be placed on the intent and application of the changes in respect to the functions of design, plan review and inspection.

2024 IFC Transition from the 2018 IFC



CEU: 0.8

Instructor: Scott Adams

VIRTUAL

SESSION 119

TRACK 2

This seminar will assist participants in implementing the transition from the 2018 IFC to the 2024 IFC. It will include relevant changes in the 2021 and 2024 editions of the IFC. This interactive training will focus on the key changes presented in the participant material. The information presented will allow for the application of these code requirements to the design, plan review, and/or inspection functions.

Wind and Single-Family Homes (AM)



CEU: 0.4

Instructor: Sandra Hyde

LIVE

SESSION 120

TRACK 3

Mid-career residential inspectors and plans examiners will find this seminar insightful as will designers looking for a review of high wind requirements for single family homes. With a focus on wood construction, this seminar dives into the details for designing and inspecting a home built to resist thunderstorm and hurricane winds. Minimum requirements for foundations, walls, roofs and floors are covered as well as a discussion of beyond code minimum options.

Earthquakes and Single-Family Homes (PM)



CEU: 0.4

Instructor: Sandra Hyde

LIVE

SESSION 121

TRACK 3

Mid-career residential inspectors and plans examiners will find this seminar insightful as will designers looking for a review of earthquake related requirements for single family homes. With a focus on wood construction, this seminar dives into the details for designing and inspecting a home built to resist earthquakes. Minimum requirements for foundations, walls, roofs and floors are covered as well as building irregularity requirements.

Demystifying Loads for Building Officials – 2024 IBC and ASCE 7-22



CEU: 0.8

Instructor: Buddy Showalter

VIRTUAL

SESSION 122

TRACK 4

This full-day course will provide information to assist building officials during the plan review process on the proper evaluation of structural loads per the 2024 International Building Code® (IBC®) and the IBC-referenced 2022 ASCE/SEI 7 Minimum Design Loads and Associated Criteria for Buildings and Other Structures (ASCE 7-22). An overview of each topic along with changes that have occurred to the 2024 IBC and ASCE 7-22 will be provided along with examples to show their application. The following topics will be presented:

- Load Path, Load Combinations and Risk Categories
- Dead, Live and Rain Loads
- Snow and Ice Loads
- Wind and Tornado Loads
- Earthquake Loads
- Flood and Tsunami Loads
- Temporary Structures

SESSION DESCRIPTIONS – FRIDAY, MARCH 1

Fire Alarm Plan Development, Submittal and Review



CEU: 0.8
Instructor: Brad Cronin

LIVE ONLY
SESSION 123
TRACK 5

This application course describes the common corrections associated with the plan review process and offers suggestions for improvement by providing plan review and acceptance test checklists, spreadsheets to determine battery and voltage drop calculations, exercises to determine proper spacing of smoke detectors, exercises to determine proper audibility of fire alarm notification appliances and proper sizing and placement of visible notification appliances.

2021 IBC Special Building Types, Features and Hazards (AM)



CEU: 0.4
Instructor: Jay Woodward

LIVE
SESSION 124
TRACK 6

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.

2021 IBC Interior Finishes (PM)



CEU: 0.4
Instructor: George Mann

LIVE
SESSION 125
TRACK 6

Focused primarily on Chapter 8, this seminar addresses the allowances and limitations of various finish materials of floors, walls and ceilings. In addition, the provisions dealing with the use of foam plastic insulation are examined in detail. The discussion includes the review of a number of test standards applicable to various finish conditions.

2021 IBC Special Building Types, Features and Hazards (AM)



CEU: 0.4
Instructor: John Gibson

VIRTUAL
SESSION 126
TRACK 7

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.

2021 IBC Interior Finishes (PM)



CEU: 0.4
Instructor: Terrell Stripling

VIRTUAL
SESSION 127
TRACK 7

Focused primarily on Chapter 8, this seminar addresses the allowances and limitations of various finish materials of floors, walls and ceilings. In addition, the provisions dealing with the use of foam plastic insulation are examined in detail. The discussion includes the review of a number of test standards applicable to various finish conditions.

Emergency Systems (AM)



CEU: 0.4
Instructor: Randy & Chris Hunter

LIVE
SESSION 128
TRACK 8

Emergency systems are critical life safety installations within many of our places of assembly, like high-rise buildings and sports arenas. Learn about code-compliant installations of electrical wiring and equipment using Article 700 for Emergency Systems, Article 701 for Legally Required Standby Systems, and Article 702 for Optional Standby systems, including changes in the 2023 NEC. **Attendees should bring 2020 or 2023 NEC.**

SESSION DESCRIPTIONS – FRIDAY, MARCH 1

Motor Calculations (PM)



CEU: 0.4
Instructor: Randy &
Chris Hunter

LIVE

SESSION 129
TRACK 8

Learn how to size conductors, overloads, and short-circuit and ground-fault protection for motors. We will use Article 430 of the NEC to determine sizing for branch and feeder circuit components. This can be one of the more challenging articles of the NEC and understanding the code applications for motor installations will be covered in depth. Participants will have practical examples and do relevant activities during class.

Attendees should bring 2020 or 2023 NEC.

Hazardous Materials for Building Officials



CEU: 0.8
Instructor: Steve Thomas

LIVE

SESSION 130
TRACK 10

This is a full-day class that covers the subject of hazardous materials to assist the Building Official in properly dealing with the more dangerous occupancies. The pertinent sections of the IBC regarding Hazardous Materials will be covered, including each type of H occupancy, as well as additional sections of some other codes. The class covers how to correctly classify materials, correctly determine when a label of "H" occupancy is appropriate and determines various manners of protection required to reduce risk. Control areas, storage, open and closed systems will all be discussed in depth. Tips on analyzing materials, going over available resources and special requirements will also be covered. Time will be spent helping to understand MSDS sheets and evaluating specific hazardous situations. Real life examples will be brought up with class participation encouraged in analyzing the possible dangers.

IBC Accessibility Requirements



CEU: 0.8
Instructor:
Bill Clayton

VIRTUAL

SESSION 131
TRACK 11

Overview of the scoping provisions for accessibility in the International Building Code and the technical provisions of the ICC/ANSI A117.1 Accessible and Usable Buildings and Facilities. The seminar will also discuss differences between the provisions enforced by building department and the American Disabilities Act Accessibility Guidelines.

Innovation and Change (AM)



CEU: 0.4

LIVE

SESSION 132
TRACK 12

Instructors: Tim Schneider &
Kelley Reynolds

VIRTUAL

SESSION 134
TRACK 13

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.

Success Skills for Leaders (PM)



CEU: 0.4

LIVE

SESSION 133
TRACK 12

Instructors: Tim Schneider &
Kelley Reynolds

VIRTUAL

SESSION 135
TRACK 13

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.

Administrative Citations vs. Criminal Prosecution/Building Codes for Code Enforcement Officers (AM)

LIVE ONLY
SESSION 136
TRACK 14



CEU: 0.4
Instructor: Eugene Alper

This seminar will demonstrate the advantages and intricacies of the administrative citation—an essential tool of code enforcement—and turn those who still do not believe in it into loyal admirers. You will learn how to change your Code, implement the administrative citation program, bring financial rewards to your city, and—most importantly—improve compliance. Leave behind the beast of criminal prosecution and live happily ever after with the beauty of the administrative citation! If you are a building inspector going daily to construction sites, the set of approved plans and the current Building Codes are your go-to documents. But if you are a code enforcement officer responding to complaints about pre-existing buildings, you have no plans on hand and the current Codes may not apply. In this class, we explore when code enforcement can use the Building Codes and what to do when it cannot. We will consider what parts of the Codes apply to pre-existing buildings, what work requires permits, and how to research older codes and zoning ordinances.

High Risk Management/Animal Interactions and Dangers (PM)

LIVE ONLY
SESSION 137
TRACK 14



CEU: 0.4
Instructors: Chris Mandala, Darrell Revier

Whether you are a seasoned inspector or on your first day, managing cases and job sites are a daily task. Not every case or inspection is the same. Some cases involve repeat violators or contractors. In this course you will learn how to identify cases or projects that pose an exceptional risk to your safety. We will also discuss how to mitigate those risks in order to live to see another day. The instructor will draw examples and content from actual cases. This course will cover:

- Predictive Analytics
- Risk Mitigation
- Profiling
- Intelligence Gathering
- Case Planning
- Tactical Considerations
- Off-Duty Survival
- Stress Management

Animal interactions with Code Enforcement Officers, Building Inspectors and Zoning Officials are an everyday occurrence. Avoiding potentially dangerous encounters is not always possible, but we can mitigate the likelihood of a negative encounter. This course will teach the following risk-reducing techniques:

- Understanding basic animal psychology
- Non-verbal communication a.k.a. body language-theirs and ours
- Verbal communication-theirs and ours
- Do's and don'ts of animal interactions

SESSION DESCRIPTIONS – FRIDAY, MARCH 1

Stationary Energy Storage Systems

CEU: 0.8

Instructors: Brian Scholl

LIVE

SESSION 138

TRACK 15

Stationary Battery Energy Storage Systems are becoming more and more common in our communities. Although these systems provide us great benefits, they can also be dangerous when not properly installed. This class is designed to assist students with an overview of what a stationary battery energy storage system is, its function and its components. We will then discuss historical incidents involving these battery systems to get a better understanding on why we need to understand them better and why we need to regulate them. Finally, this class will discuss the requirements in both the International Fire Code and NFPA standard to ensure that they are being installed with all the safety provisions required. At the completion of the class, the student will have a better understanding on how to regulate any battery energy storage system that comes to their jurisdiction.

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



CEU: 0.8

Instructors: Sharon Halpert & Rich Walke

LIVE ONLY

SESSION 139

TRACK 17

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.

Medical Gas Basics (AM)

CEU: 0.4

Instructor: Scott Winn



LIVE

SESSION 140

TRACK 18

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.

Introduction to Backflow (PM)

CEU: 0.4

Instructor: Scott Winn



LIVE

SESSION 141

TRACK 18

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.

A2L Refrigerants and Related Changes to the 2024 I-Codes (AM)

CEU: 0.4

Instructor: Jim Cika



VIRTUAL

SESSION 142

TRACK 19

This seminar provides an overview of the HVAC industry transition from HFC refrigerants to A2L refrigerants within the built environment. Topics addressed include recent Federal regulations that are driving the use of A2L refrigerants, the timeline for the phasedown of HFC refrigerants, the impacts on the latest codes and standards, and ways to adapt and prepare for the transition to A2L refrigerants.

SESSION DESCRIPTIONS – FRIDAY, MARCH 1

Hydrogen Gas in the Built Environment (PM)



CEU: 0.4
Instructor: Mark Fasel

VIRTUAL
SESSION 143
TRACK 19

This seminar provides an overview of the global advancement of the use of hydrogen gas, including actions taken by the U.S. federal government to support the hydrogen industry. The introduction of natural gas/hydrogen fuel into the built environment as well as resources for the safe use of hydrogen by building and fire officials will be discussed. Current requirements for the installation of gaseous hydrogen systems as regulated by Chapter 7 of the 2021 International Fuel Gas Code (IFGC) will be discussed.

Fire Alarm Plan Review: The Basics



CEU: 0.8
Instructor: Bob King

LIVE
SESSION 144
TRACK 20

This course will walk the attendee through the basic steps required to perform a thorough plan review of a fire alarm submittal. This includes the review of the fire alarm shop drawings, voltage drop and battery calculations, and equipment data sheets. The specific requirements of NFPA 72 (2019 version as referenced in 2021 IFC) will be addressed, and common design issues will be highlighted. Acceptance testing and completion documentation will also be clearly noted.

Fire Sprinkler Plan Review – The Basics



CEU: 0.8
Instructor: Craig Hanson

VIRTUAL
SESSION 145
TRACK 21

This course will walk the attendee through the basic steps required to perform a thorough plan review of a fire sprinkler submittal. This includes the review of the fire sprinkler shop drawings, hydraulic calculations, sway bracing calculations, and material cut sheets. The specific requirements of NFPA 13 (2019 version as referenced in 2021 IFC) will be addressed, and common design issues will be highlighted. Acceptance testing and as-built requirements will also be clearly noted.

Application & Administration of the I-Codes (AM)



CEU: 0.4
Instructor: Tim Ryan

LIVE ONLY
SESSION 146
TRACK 22

Chapter 1 of each of the I-Codes is arguably the most important chapter in each of those publications. Although many jurisdictions modify the chapter to some degree, the fundamental concepts and principles typically remain to guide users in the code's proper application and administration. The seminar will focus on two primary areas of emphasis: 1) application of the provisions based on the concepts of minimum standard, AHJ interpretative authority, alternate methods of materials and coordination of potential conflicting provisions, and 2) administrative functions including code official, plan review and inspector responsibilities. This seminar, although based primarily on the IBC, is applicable to an understanding of Chapter 1 in all of the I-Codes.

Report Writing (PM)



CEU: 0.4
Instructor: Tim Ryan

LIVE ONLY
SESSION 147
TRACK 22

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.

Commercial Energy Provisions: from Design to Plans to the Field

LIVE ONLY
SESSION 148
TRACK 23



CEU: 0.8
Instructor: Hope Medina

A building doesn't just appear. It takes the process of planning the design of the building, to details on a set of plans, to bringing it to life out in the field. The question becomes what do I need to provide on the plans for it to be reviewed and to get the desired results in the field by the contractors and for the inspectors. No matter where you fit into this process, this class is for you. We will answer these questions with examples from plans and pictures from the field, both good and not so good.

Join us for several networking events and opportunities to connect with peers.

- Bowling
- Expo
- Game Night
- And more



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 learn@iccsafe.org

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 shop.iccsafe.org 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 19, 2024 to receive a full refund. All refund requests after this date will be credited toward a future EduCODE conference attendance only. Please contact learn@iccsafe.org 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 learn@iccsafe.org. 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



PREFERRED
EDUCATION
PROVIDER

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.

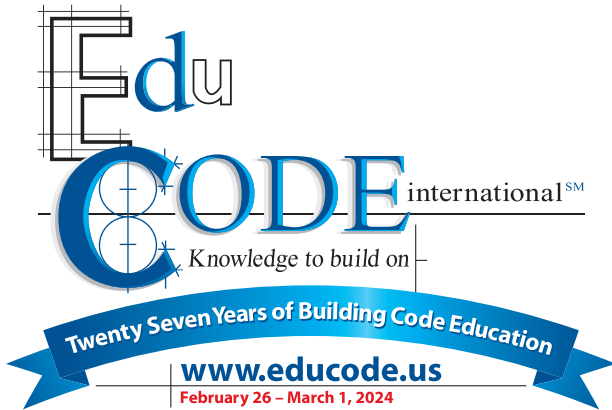
EDUCODE EVENTS

- Tuesday Night (Feb. 27) | 5:30 PM – 7:30 PM
Student Appreciation and Networking Social
Come join us for food, drinks and fun!
- Wednesday Night (Feb. 28) | 5:30 PM – 7:30 PM
Exhibitor and Industry Networking Game Night
Food, drinks, games, prizes and tons of fun.
- Thursday Night (Feb. 29) | 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 – 5:00 PM
Come visit the various suppliers of products and services that affect our built environment.
- ICC Resource Center | M – TH 7:00 AM – 5:00 PM

CERTIFICATION & TESTING

Exams will be offered on Wednesday (Feb. 28) and Thursday (Feb. 29). Exams will begin at 5:30 PM.

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



EduCODE International Conference & EXPO 2024

iccsafe.org/educode

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

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 21, 2024
- For registration questions, contact the International Code Council at (888) 422-7233 Ext 33821 or learn@iccsafe.org

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: 5:00 – 7:00 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 AEC4C02
- Deadline January 24, 2024



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 1½-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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