



# ICC Upper Great Plains Region III *Educational Institute – Virtual/In-Person*

February 8–12, 2021

Minneapolis Marriott Northwest  
[www.iccsafe.org/RegionIII](http://www.iccsafe.org/RegionIII)  
1-888-ICC-SAFE (422-7233), ext. 33821





## Welcome to the 2021 Upper Great Plains Educational Institute!

### This is Our Seventeenth Institute

For the 17th year, AMBO, Region III, and ICC collaborate on this mid-winter educational event. We saw on the Internet (So, it must be true. Right?), the number 17 is the most common, randomly chosen number between 1 and 20. That makes it the least random. We hope you make this event your least-random, most-sought choice for your education in 2021!

### New This Year

We offer you an outstanding educational program and an opportunity for networking with colleagues at a new location. This year's event is at the newly-remodeled, all-suite Minneapolis Marriott Northwest in Brooklyn Park. Some of you will remember our start, 17 years ago, at this location when it was the former Northland Inn.

The Marriott understands concerns about the COVID-19 situation and adheres to CDC's strictest practices and highest standards for sanitizing and hygiene. The spacious facility provides ample room for physical distancing. In addition, many of the sessions are offered virtually! Although the number of sessions is down bit from the past couple of years, you will see a wide variety of relevant, timely training as well as the return of popular and familiar presenters.

### The Marriott

The Minneapolis Marriott Northwest is conveniently located 30 minutes from the Minneapolis-Saint Paul International Airport and near to multiple shopping and dining options. There is free onsite self-parking. You can enjoy the convenience of modern hotel suites and classrooms under one roof. Classrooms, meeting rooms, and public areas comfortably host the event well within CDC physical distancing guidelines. Attendees are provided with continental breakfast prior to session starts, refreshments for morning and afternoon breaks, a buffet lunch, and unlimited beverages throughout the day.

### Location

Minneapolis Marriott Northwest  
7025 Northland Drive North  
Minneapolis, Minnesota 55428  
763.536.8300 for general information

### Guestroom Reservations

All guest rooms are two-room suites. Group-rate reservations are available through January 17, 2021.

Here is the link for room reservations for the special AMBO group rate of \$129:

<https://www.marriott.com/event-reservations/reservation-link.mi?id=1605800772920&key=GRP&app=resvlink>

Or by Phone: Telephone 877.303.1681 or 763.536.3332.

## **Institute Registration Information**

### **General Registration Information**

Register Online: [www.iccsafe.org/RegionIII](http://www.iccsafe.org/RegionIII)

Register by Fax: 1.708.799.2651

Register by Mail: ICC Central Regional Office, 4051 Flossmoor Road, Country Club Hills, Illinois 60478

Walk-In: Limited Availability as Space Allows

### **On-Site Rate**

The on-site registration (reduced from last year!) includes continental breakfast, breaks, and lunch.

One or Two Days: \$160 each day.

Three or Four Days: \$145 each day.

Early-Bird Rate: \$145 per day. Register by January 15, 2021. Popular sessions fill quickly and close early.

### **Virtual Attendance Rate**

Not all sessions are available virtually. Some sessions are virtual only. Some are hybrid with a virtual option.

Virtual Registration: \$100 per day.

### **Cancellation Policy**

Written requests for refunds must be received by ICC on or before Friday 15 January 2020. Submit by fax to 1.708.799.2651 or by email to [ichagolla@iccsafe.org](mailto:ichagolla@iccsafe.org).

### **Continuing Education**

Qualifying continuing education is available. All sessions are submitted to the Minnesota Department of Labor and Industry for continuing education approval. Only courses presented by ICC are submitted to the American Institute of Architects (AIA) for credit and HSW hours.

### **Chapter Meetings and Special Events**

#### **Bookstore**

The ICC Bookstore will be on-site throughout the day on Wednesday with a wide assortment of Code books as well as ICC merchandise. Check it out!

#### **Dinner Outing**

All Institute attendees are invited to join the annual dinner outing on Tuesday following the AMBO General Membership Meeting. This is a pay-your-own-way social event. The Marriott has complimentary shuttle transportation to over 200 shops and restaurants in the Arbor Lake area.

#### **AMBO Board Meeting**

The AMBO Board of Directors will meet at 6:00 p.m. on Monday.

#### **AMBO ICC Chapter Membership Meeting**

The AMBO General Membership Meeting will be Tuesday, beginning promptly at 4:45 p.m.

#### **Region III Chapter Meeting**

The Region III Chapter of ICC will hold a meeting on Wednesday during lunch.

**We look forward to seeing new faces and renewing past acquaintances  
at this unique, networking and training opportunity!**

# CODE ENFORCEMENT AND PROFESSIONAL DEVELOPMENT | *Virtual Only*

**MONDAY 2/8/2021**

**AM: Housing Inspections 101 with Virtual Walk-Through** Session 111 **V**

This course will provide the attendees with an overview of the creation and implementation of a rental inspection program within their jurisdiction and how to conduct housing inspections. Referencing the 2018 International Property Maintenance Code, the instructor will cover the basics of how to create an inspection program, how to interpret and enforce code requirements, and walk through the inspection process using photos of actual violations. The attendees will interact with the presentation and the instructor by identifying code violations and applying the correct code section from the IPMC.

**PM: Solving Hoarding Puzzle: Identifying and Understanding Hoarding Disorder**

Encountering a hoarding situation in a housing unit can be like solving a puzzle. Finding the right pieces to match, knowing where to place them, and seeing the bigger picture through all of it can be a daunting task for any property manager. Greg Smith has over 14 years' experience dealing with hoarding situations on a professional and personal level. By sharing his experiences as a municipal inspector and family member of a hoarder, Greg will help property managers solve the ever-changing puzzle that is hoarding.

**Instructor: GMS Presentations**

**TUESDAY 2/9/2021**

**AM: Virtual Inspections** Session 112 **V**

This course teaches officers how to observe factors that can cause them harm while performing their duties. It details behaviors and situations from customers that will give officers various options on how to proceed safely.

**PM: Small Town Code – Big Town Problems and Solutions**

Discover the effectiveness that rental registration programs can have in your communities. These programs offer solutions to everyday rental property issues that will benefit every city.

**Instructor: Kelvin Beene with guest speaker Cecilia Muela**

**WEDNESDAY 2/10/2021**

**AM: Increasing the Credibility of Inspectors** Session 113 **V**

This training details how to ensure that code enforcement can increase their credibility in the eyes of their constituents by utilizing positive personal interactions with citizens, providing exceptional customer service, being technically competent and the utilization of good judgement based on the facts of the case and violations associated with the property.

**PM: The Artistry of De-Escalation in Enforcement**

This training details how enforcement officers require a higher level of de-escalation skills to prevent and deter incidents that may lead to lawsuits, dangerous situations and bodily harm. It also details the importance of possessing a positive mindset to enable you to break down the barriers and the stigmas associated with enforcement personnel.

**Instructor: Kelvin Beene**

**THURSDAY 2/11/2021**

**Effective Local Government Management** Session 114 **V**

This course is designed to challenge local managers to use strategic thinking to guide decision making and let the lessons of today teach them how to use tactical deployment of resources to effectuate change in a community. Attendees will be guided in achieving the community mission and helped in ushering in new local government policies that will result in productivity and effectiveness. Attendees will learn how to shift all aspects of local government services including community development, regulatory compliance, public works and public safety by developing new strategic goals, changing public service delivery and "leaping forward" in operational effectiveness.

**Instructor: Marcus Kellum, Metric One Training & Consulting**

**FRIDAY 2/12/2021**

**Procedures for Officers and Inspectors** Session 115 **V**

The role of the code enforcement officer or inspector in a municipality is one of respect and confidence. This class is designed to reflect knowledge of how code enforcement officers and inspectors can integrate best practices into their service delivery. Segments of the training will include the concept of creating an "Action Register" to track important tasks and deliverables. To manage work more efficiently, the Code Enforcement Continuum will be introduced as a tool to determine the level of enforcement necessary to close the case.

**Instructor: Marcus Kellum, Metric One Training & Consulting**

**V** Virtual **O** Onsite

# BUILDING: NEED TO KNOW

MONDAY 2/8/2021

## 2018 IRC Performing Residential Plan Reviews

Session 121 

This seminar provides a procedure for reviewing residential building plans and specifications based on Chapters 1 through 10 of the 2018 International Residential Code® (IRC®). This session allows participants to practice a building plan review during the seminar using actual construction documents and an IRC Plan Review Record.

**Instructor: John Gibson, ICC Instructor**

TUESDAY 2/9/2021

## 2018 IRC Performing Residential Building Inspection

Session 122 

This seminar provides building inspectors with fundamental knowledge necessary to administer and enforce applicable code requirements from the 2018 IRC, which apply to foundation and final residential building inspection. Specifically, the seminar provides participants with checklists that enable those performing foundation and final residential building inspections to determine whether the materials, design, construction, installation and location of building components comply with the code.

**Instructor: John Gibson, ICC Instructor**

WEDNESDAY 2/10/2021

## 2018 IRC Wood Wall Bracing

Session 123 

This seminar provides a comprehensive explanation of the 2018 International Residential Code® (IRC®) Wood Wall bracing requirements. The seminar will focus on code requirements and application to design while clarifying the application of wall bracing provisions in the IRC wall bracing Sections R602.10 thru R602.12.

**Instructor: Sandra Hyde, ICC Instructor**

THURSDAY 2/11/2021

## Administrative Provisions in the 2018 IBC Session 124

This presentation will thoroughly go over the administration provisions described in Chapter 1 of the IBC. Additional discussion will include staffing, budgeting, and some legal aspects that code officials face in their job duties and responsibilities. It will also focus on interactions and input from the attendees – so bring your “what if” and “what about” questions. Related definitions in Chapter 2 will also be discussed.

**Instructor: Rick Breezee**

FRIDAY 2/12/2021

## Permit Technicians: Scope of Practice Session 125

The Permit Technician is an integral member in the efficient operation of the Department of Building Safety. In addition to the customer service skills necessary, the Permit Tech is also required to have a basic understanding of the construction codes enforced in their municipality. The building permit process usually begins at the front counter with the Permit Tech receiving the construction documents, verifying permit applications are completed correctly, and distributing documents to plans examiners and/or inspectors. This seminar will provide basic construction code information, when licensed professionals are required, and resources available for locating license information. Basic legal aspects of code administration will also be covered.

**Instructor: Roger Axel, ICC Instructor**

 Virtual  Onsite

## BUILDING: GENERAL TOPICS

**MONDAY 2/8/2021**

### **2018 IBC Essentials**

**Session 131** ○

This seminar focuses on the basic concepts of the 2018 International Building Code® (IBC®). These concepts provide a basis for the correct utilization of the code. A clear understanding of the identified requirements allows the code user to apply the IBC in specific situations and helps to build an understanding of the intent of the code when asked to make a judgment on code compliance. This course will also help the code user to correctly locate code requirements. It will also provide a basis for the correct use and application of the code as well as to begin to develop a procedure for applying them. It will address the organization of the code and how it relates to the IBC family of International Codes® (I-Codes®).

**Instructor: Doug Thornburg, ICC Instructor**

**TUESDAY 2/9/2021**

### **2018 IBC Means of Egress**

**Session 132** ○

This course addresses numerous requirements in the 2018 International Building Code® (IBC®) pertaining to establishing a means of egress in buildings. It is intended to assist plan reviewers, design professional and inspectors in the identification of the design and component issues requiring compliance with the IBC. Participants will be presented with specific problems related to means of egress and will be asked to solve case studies, as well as discuss applicable sections of the IBC.

**Instructor: Doug Thornburg, ICC Instructor**

**WEDNESDAY 2/10/2021**

### **IBC Multi-Family Construction (Type V-A, Group R-2)**

**Session 133** ● ○

This course is an overview of the requirements for multi-family dwellings in the International Building Code. Type V-A construction may be the most difficult type of construction. This seminar discusses the design, construction and inspection of Group R-2 occupancies including building planning, fire-resistive rated construction, fire protection requirements and means of egress requirements.

**Instructor: Gil Rossmiller, Colorado Code Consulting**

**THURSDAY 2/11/2021**

### **Surviving the Energy Code**

**Session 134** ○

Not certain what the confusion is? Residential compliance can be Prescriptive, UA alternative, Total UA, Performance Alternative or the Energy rating Index. Commercial can be just as simple using the Prescriptive, Assembly U-factor, C-factor or F-factor-based method, Component performance alternative, Total building performance or if the designer does not like any of those choices, they can choose to comply with ASHRAE 90.1. Then 90.1 provides another set of choices for the designer. Unless this is an existing building and then we would automatically go to chapter 5. Kidding aside, unless the designer is clear on the compliance path, deciphering can be a daunting task. We will work through each of the paths and the requirements that apply regardless of the path used.

**Instructor: Gil Rossmiller, Colorado Code Consulting**

**FRIDAY 2/12/2021**

### **Backside of the Building Code – Chapter 12 and Beyond**

**Session 135** ●

This class is intended to focus on nonstructural topics that are not typically covered in detail during code training. The class will address little-emphasized areas of the code that have resulted in tragic fire consequences, such as MCM's regulated in Chapter 14 and foam plastics in Chapter 23. The class will also cover interior environment, roofing, glass, special construction, and emerging issues in safeguards during construction. Finally, the typically glossed-over requirements for interior finishes will be considered in detail.

**Instructor: Thomas Meyers, CBO**

● Virtual ○ Onsite

## BUILDING: SPECIFIC ISSUES

MONDAY 2/8/2021

### Senior Living Facilities

Session 141 

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

**Instructor: Steve Thomas, Colorado Code Consulting**

TUESDAY 2/9/2021

### Mixed Types of Construction Based on the IBC 510.2

Session 142 

This course reviews the 510.2 provisions using real examples of Type I-A structures with Type V or Type III structures above. Course content will include Horizontal Separation Requirement, Fire-Resistiveness of building elements, history of podium buildings, openings and penetrations, as well as issues below the Podium and issues above the Podium.

**Instructor: Larry Farris, BKV Group**

WEDNESDAY 2/10/2021

### 2018 IBC Special Use and Occupancy

Session 143 

This course provides an overview of the 2018 IBC Chapter 4 provisions and the application of the code requirements for various uses and occupancies that are addressed in Chapter 4 including: requirements for buildings and conditions that apply to one or more occupancy groups, such as high-rise buildings, underground buildings and atriums; specific areas and operations, including hazardous materials, application of flammable finishes, drying rooms, organic coatings, combustible storage and hydrogen cutoff rooms; special use areas, such as covered mall buildings, motor-vehicle-related occupancies, special amusement buildings and aircraft-related occupancies; special facilities within other occupancies, such as stages and platforms, motion picture projection rooms and storm shelters; and unique considerations for Groups H, I and R, as well as ambulatory care facilities and live/work units.

**Instructor: Steve Thomas, ICC Instructor**

THURSDAY 2/11/2021

### AM: Engineered Wood Products Framing, Design, Installation and the Code

Session 144 

Structural design demands have increased while lumber strength properties have declined. This inverse relationship emphasizes the need for adequate solutions for all structural considerations. The course will discuss Engineered Wood Products (EWP) design basics as well as recent code-related issues the provide challenges for today's construction. Topics include installation/connections of structural members, large point loads, plate overhang, and the recent bracing requirement of the new Minnesota Code. The class will detail the effect of both vertical and lateral loads on a structure. We will address proper design and connections for columns, headers, and studs based on the end use, location, and materials used. The course will also incorporate some of the recent code changes that affect today's tall walls.

**Instructor: Mark Weegman, Weyerhaeuser**

### PM: Wood Frame Construction Details and the 2020 Minnesota Residential Code

This class will cover how engineered wood products and trusses interact with relevant code sections of the new 2020. We will cover structural loading requirements, connections, how to understand truss drawings/bracing requirements, wall bracing, alternate deck ledger connections are more.

**Instructor: Adam Barthel, City of Minneapolis**

FRIDAY 2/12/2021

### AM: A Guide to Gypsum Association Code Referenced and Online Resources

Session 145 

This presentation will review the essentials of gypsum panel products, guide the attendee through the Gypsum Association code referenced documents; GA-600 Fire Resistance and Sound Control Design Manual and GA-216 Application and Finishing of Gypsum Panel Products and expose them to other resources available at gypsum.org.

**Instructor: Greg Woolley, Gypsum Association**

### PM: Fundamentals of Concrete Inspection

The session will include specifying, ordering, acceptance, consolidating, and curing of concrete. Concrete properties and concrete ingredients will be reviewed, and the effects of hot weather, cold weather and mass concrete will be discussed.

**Instructor: Tumar Akakin, Aggregate Ready Mix of Minnesota**

 Virtual  Onsite

# CROSS-FUNCTIONAL: FIRE AND BUILDING

## TUESDAY 2/9/2021

### **Hazardous Materials for Building Departments**

**Session 152**  

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.

**Instructor: Steve Thomas, Colorado Code Consulting**

## WEDNESDAY 2/10/2021

### **Sprinkler Medley: Inside, Outside and Even In Between**

**Session 153**  

This seminar is made up of four separate classes covering a variety of fire sprinkler requirements. The seminar includes: sprinklers installed outside, protected and un-protected concealed spaces, protecting buildings under construction, and trade-ups in the IBC.

**Instructor: Roland Asp, National Fire Sprinkler Association**

## THURSDAY 2/11/2021

### **2018 IFC Performing Commercial Fire Plan Reviews – Day 1\***

**Session 154** 

This seminar addresses numerous provisions in the 2018 International Fire Code® (IFC®). Where the fire code contains requirements applicable to construction, design, operations, storage, use and handling that occur in a special occupancy, but that are not regulated specifically by the 2018 IFC. The course is intended to help Code Enforcement Officials responsible for plan review to identify those areas where plan review will include compliance with the IFC. Activities and discussions will further enhance participant learning.

**Instructor: John Swanson, ICC Instructor**

## FRIDAY 2/12/2021

### **2018 IFC Performing Commercial Fire Plan Reviews – Day 2\***

**Session 155** 

This seminar addresses numerous provisions in the 2018 International Fire Code® (IFC®). Where the fire code contains requirements applicable to construction, design, operations, storage, use and handling that occur in a special occupancy, but that are not regulated specifically by the 2018 IFC. The course is intended to help Code Enforcement Officials responsible for plan review to identify those areas where plan review will include compliance with the IFC. Activities and discussions will further enhance participant learning.

**Instructor: John Swanson, ICC Instructor**

*\* Attendees may register for Day 1 or Day 2 or both days.*

 **Virtual**  **Onsite**

# MECHANICAL AND PLUMBING

MONDAY 2/8/2021

## UPC Updates for Cross Connection Control, Water Treatment, and Temperature Control **Session 161**

2020 and beyond has brought us many new plumbing challenges that have been met with both code updates and new standards from ASSE. Backflow prevention, water treatment and temperature control will all be covered during this presentation which is intended for designers, engineers, contractors, inspectors and others who use the UPC.

**Instructor: Rich Davidson, Soderholm Associates/Water Control Corp.**

TUESDAY 2/9/2021

## Understanding the 2018 UPC Plumbing Requirements **Session 162**

his seminar will provide an overview of the key sections and basic principles of Design, Plan Review, and Inspection in accordance with the 2018 Uniform Plumbing Code. Instructor-led examples and applications will enable participants to better understand the various functions of plumbing systems correlated to the requirements of the 2018 Uniform Plumbing Code.

**Instructor: Jerry Flanik, Associated Consulting Solutions, LLC**

WEDNESDAY 2/10/2021

## 2018 IMC Design, Installation, & Inspection Principles **Session 163**

This seminar highlights key provisions of the 2018 International Mechanical Code® (IMC®) and provides practice in applying key requirements. It reinforces learning by supplying immediate feedback or clarification. It walks participants through the content outline of the code book and describes key sections. Participants will be able to apply key code sections of the 2018 IMC to aid in its administration and enforcement while performing their jobs.

**Instructor: Jerry Flanik, ICC Instructor**

THURSDAY 2/11/2021

## 2018 IFGC Design, Installation, & Inspection Principles **Session 164**

This seminar will provide the critical concepts of the 2018 International Fuel Gas Code® (IFGC®). It will provide a clear understanding and correct use of the requirements identified by basic code provisions, tables and topics. Allows code users to apply the code in clear-cut situations and helps to build their understanding of the intent of the code when asked to make code compliance decisions. Participants will be able to apply the 2018 International Fuel Gas Code to the design, plan review, installation and inspection of all fuel-gas-related construction.

**Instructor: Jerry Flanik, ICC Instructor**

FRIDAY 2/12/2021

## Testing, Balancing, Commissioning HVAC Systems **Session 165**

This seminar will cover the step-by-step process of testing, adjusting, and balancing HVAC systems to comply with the code and industry-accepted practices. Current codes and standards (including NFPA & UL) on HVAC fire/smoke damper requirements will also be covered. Stairwell pressurization requirements for testing will be addressed in detail. In addition, this session will provide an overview of the energy code provisions concerning the commissioning process and will include what commissioning tasks are required and what systems are required to be commissioned. This class is intended for plan reviewers, designers, engineers, contractors, and others involved with the installation of heating, ventilation, and air-conditioning systems.

**Instructors: John Hamilton (TABB), Matthew Hamilton (Belimo), Christopher Ruch (NEMI)**

 Virtual  Onsite

## MINNESOTA STATE SPECIFIC FOCUS | *Virtual Only Track*

**MONDAY 2/8/2021**

### **Minnesota State of the State** **Session 171**

This session will provide division and legislative updates as well as a discussion on Fee-for-Service and Wedding Barn Code compliance.

**Instructors: Scott McLellan & S. McKown, MN DLI**

### **Understanding the Building Code for Special Event Centers**

This session will help with how to properly classify the occupancy of special event centers and to properly apply the building code to these unique venues.

**Instructor: Scott McKnown, MN DLI**

### **Health and Safety Hazards for Building Inspectors**

This session provides awareness training of safety and health hazards for commercial and residential construction sites.

**Instructor: Mike Seliga, MN DLI**

**TUESDAY 2/9/2021**

### **Minnesota Conservation Code for Existing Buildings and Minnesota Mechanical Code Update** **Session 172**

If your work involves a great deal of commercial additions and remodeling of existing buildings, then this session is for you. The DLI/CCLD team will take a practical approach to navigating the Minnesota Conservation Code for Existing Buildings significant changes, including storm shelters for schools, and the Minnesota Mechanical and Fuel Gas Code significant changes. The DLI/CCLD team will address areas that frequently confuse both designers and code officials, common alternative design methods, and practical application of DLI/CCLD policies. Bring your books, ready to note the margins and ask questions.

**Instructors: Mike Bunnell, Greg Metz & Chris Rosival, MN DLI**

**THURSDAY 2/11/2021**

### **2020 Minnesota Accessibility Code Update** **Session 174**

This course will highlight accessibility requirements found in the 2020 edition of Minnesota Rule 1341 for Accessibility, including existing and new amendments. Elements covered will include accessible route, accessible parking, toilet rooms, service counters, dwelling and sleeping units, recreational facilities, signage, and existing buildings.

**Instructors: K. Gridley & Greg Metz**

**FRIDAY 2/12/2021**

### **Deck Construction Under the 2020 Minnesota Residential Code** **Session 175**

In the 2020 Residential Code, there are many new sections and provisions for prescriptive deck construction. We will look at all the components of a deck and what the updated code says about them. We will also address proper hardware selection and installation, proper selection and identification of treated material, and highlight alternate ledger connections based on the type of flooring system in a home.

**Instructor: Steve Shold, MN DLI**

 **Virtual**  **Onsite**

# 2021 ICC UPPER GREAT PLAINS REGION III EDUCATIONAL INSTITUTE | LIVE OFFERINGS

TRACK	Monday Feb. 8	Tuesday Feb. 9	Wednesday Feb. 10	Thursday Feb. 11	Friday Feb. 12
Track 1: Code Enforcement, and Professional Development	<i>Virtual Only – See next page</i>				
Track 2: Building: Need to Know			SESSION 123 <b>2018 IRC Wood Wall Bracing</b> <i>Sandra Hyde</i>	SESSION 124 <b>Administrative Provisions in the 2018 IBC</b> <i>Rick Breezee</i>	SESSION 125 <b>Permit Technicians: Scope of Practice</b> <i>Roger Axel</i>
Track 3: Building: General Topics	SESSION 131 <b>2018 IBC Essentials</b> <i>Doug Thornburg</i>	SESSION 132 <b>2018 IBC Means of Egress</b> <i>Doug Thornburg</i>	SESSION 133 <b>IBC Multi-Family Construction (Type V-A, Group R-2)</b> <i>Gil Rossmiller</i>	SESSION 134 <b>Surviving the Energy Code</b> <i>Gil Rossmiller</i>	
Track 4: Building: Specific Issues	SESSION 141 <b>Senior Living Facilities</b> <i>Steve Thomas</i>	SESSION 142 <b>Mixed Types of Construction Based on the IBC 510.2</b> <i>Larry Farris</i>	SESSION 143 <b>2018 IBC Special Use and Occupancy</b> <i>Steve Thomas</i>		
Track 5: Cross-Functional: Fire and Building		SESSION 152 <b>H Occupancies for Building Departments</b> <i>Steve Thomas</i>	SESSION 153 <b>Sprinkler Medley: Inside, Outside and Even In Between</b> <i>Roland Asp</i>	SESSION 154 <b>2018 IFC Performing Commercial Fire Plan Reviews – Day 1</b> <i>John Swanson</i>	SESSION 155 <b>2018 IFC Performing Commercial Fire Plan Reviews – Day 2</b> <i>John Swanson</i>
Track 6: Mechanical and Plumbing	SESSION 161 <b>UPC Updates for Cross Connection Control, Water Treatment, and Temperature Control</b> <i>Rich Davison</i>				
Track 7: Minnesota Focus VIRTUAL ONLY	<i>Virtual Only – See next page</i>				
Special Events	<b>AMBO Board Dinner Meeting</b>	<b>AMBO Membership Meeting Dinner Outing</b>	<b>Trade Show Region III Board Meeting</b>		

**REGISTER ONLINE at [www.iccsafe.org/RegionIII](http://www.iccsafe.org/RegionIII)**

*Early bird pricing ends January 15, 2021*

*Form also available on page 13 for mail-in registration.*

# 2021 ICC UPPER GREAT PLAINS REGION III EDUCATIONAL INSTITUTE | VIRTUAL OFFERINGS

TRACK	Monday Feb. 8	Tuesday Feb. 9	Wednesday Feb. 10	Thursday Feb. 11	Friday Feb. 12
Track 1: Code Enforcement, and Professional Development	SESSION 111 <b>AM: Housing Inspections 101 with Virtual Walk Through</b> <b>PM: Solving Hoarding Puzzle... Disorder</b> <i>GMS Presentations</i>	SESSION 112 <b>AM: Virtual Inspections</b> <b>PM: Small Town Code – Big Town Problems and Solutions</b> <i>Kelvin Beene/ Cecilia Muela</i>	SESSION 113 <b>AM: Increasing the Credibility of Inspectors</b> <b>PM: The Artistry of De-Escalation in Enforcement</b> <i>Kelvin Beene</i>	SESSION 114 <b>Effective Local Government Management</b> <i>Marcus Kellum</i>	SESSION 115 <b>Procedures for Officers and Inspectors</b> <i>Marcus Kellum</i>
Track 2: Building: Need to Know	SESSION 121 <b>2018 IRC Performing Residential Plan Reviews</b> <i>John Gibson</i>	SESSION 122 <b>2018 IRC Performing Residential Building Inspections</b> <i>John Gibson</i>			
Track 3: Building: General Topics			SESSION 133 <b>Multi-Family Occupancies (Type V-A, Group R-2)</b> <i>Gil Rossmiller</i>		SESSION 135 <b>Backside of the Building Code – Chapter 12 and Beyond</b> <i>Tom Meyers</i>
Track 4: Building: Specific Issues				SESSION 144 <b>AM: Engineered Wood Products Framing, Design, Installation and the Code</b> <i>Mark Weegman</i> <b>PM: Wood Frame Construction Details and the 2020 Minnesota Residential Code</b> <i>Adam Barthel</i>	SESSION 145 <b>AM: Gypsum: Code- Referenced Resources</b> <i>Greg Woolley</i> <b>PM: Fundamentals of Concrete Inspection</b> <i>Tumar Akakin</i>
Track 5: Cross-Functional: Fire and Building		SESSION 152 <b>H Occupancies for Building Departments</b> <i>Steve Thomas</i>	SESSION 153 <b>Sprinkler Medley: Inside, Outside and Even In Between</b> <i>Roland Asp</i>		
Track 6: Mechanical and Plumbing	SESSION 161 <b>UPC Updates for Cross Connection Control, Water Treatment, and Temperature Control</b> <i>Rich Davison</i>	SESSION 162 <b>Plumbing</b> <i>Jerry Flanik</i>	SESSION 163 <b>2018 IMC Design, Installation and Inspection Principles</b> <i>Jerry Flanik</i>	SESSION 164 <b>2018 IFGC Design, Installation and Inspection Principles</b> <i>Jerry Flanik</i>	SESSION 165 <b>Testing, Balancing, Commissioning HVAC Systems</b> <i>John Hamilton</i>
Track 7: Minnesota Focus	SESSION 171 <b>State of the State</b> <i>S. McLellan &amp; S. McKown</i> <b>Special Event Centers</b> <i>Scott McKown</i> <b>Health &amp; Safety Hazards (PM)</b> <i>Mike Seliga</i>	SESSION 172 <b>Conservation Code and Mechanical Updates</b> <i>Metz, Bunnell &amp; Rosival</i>		SESSION 174 <b>2020 Minnesota Accessibility Code Update</b> <i>K. Gridley &amp; G. Mets</i>	SESSION 175 <b>Deck Construction Under the 2020 MN Residential Code</b> <i>Steve Shold</i>



# 2021 ICC Upper Great Plains Region III Educational Institute

February 8-12, 2021

## Download Your Session Handouts



**NOTE: Printed handouts will not be available onsite.**

*Materials will be provided onsite only for those sessions with a notice that the instructor will bring handouts.*

**Easy and Convenient to access your session materials!**

Handouts will be available for download on January 25, 2021.

**Visit: [Region III Handouts Page](#)**

**Password: 21region3**

Session Handouts are Organized by Track, then Day, then Session Number & Title

Download and Print to bring to class or to retain for reference.

Follow along on your device during the session.

*Thank you for your support of ICC, Region III, and AMBO!*



# 2021 Upper Great Plains Educational Institute! REGISTRATION FORM



7 a.m. Sign In • 8 a.m. Sessions Begin • 11:15 a.m. – 12:15 p.m. Lunch • 3:30 p.m. Conclusion

Complete ONE registration form per registrant. Registration form may be copied.

ICC Membership Number:				<p><b>REGISTER FOR ONSITE SESSIONS</b> <b>**Register Early and SAVE!**</b></p> <p><b>Register By January 15, 2021</b></p> <ul style="list-style-type: none"> <li>• \$145 – per Day</li> </ul> <p><b>Register After January 15, 2021</b></p> <ul style="list-style-type: none"> <li>• \$160 – per day for one or two days</li> <li>• \$145 – per day for three, four or five days</li> </ul> <p><b>REGISTER FOR VIRTUAL SESSIONS</b></p> <ul style="list-style-type: none"> <li>• \$100 – Per Day</li> </ul> <p><b>REGISTER ONLINE:</b> <a href="http://www.iccsafe.org/RegionIII">www.iccsafe.org/RegionIII</a></p> <p><b>REGISTER BY FAX:</b> 708-799-2651</p> <p><b>REGISTER BY MAIL:</b> Region III Registrar, International Code Council Central Regional Office 4051 Flossmoor Road Country Club Hills, Illinois 60478</p> <p><b>WALK-IN REGISTRATION:</b> Limited Availability as Space Allows</p> <p><b>QUESTIONS? CONTACT THE CODE COUNCIL:</b> 1-888-422-7233, ext. 33821</p>
Name for Badge:				
First Name:		Middle Initial		
Last Name:				
Job Title:				
Jurisdiction/Organization:				
E-Mail:				
Street Address:				
City:				
State/Province:				
Zip Code:				
Country:				
Day Telephone:		Extension		
Evening Telephone:		Fax Number		
Please indicate if you require special seminar room accessibility accommodations:				

## SEMINAR REGISTRATION OPTIONS

### LIST SEMINAR SESSION NUMBER AND ONSITE OR VIRTUAL

	Monday	Tuesday	Wednesday	Thursday	Friday
Seminar Number					
Onsite or Virtual					

## TOTAL REGISTRATION FEES

I am attending ONSITE one or two days	\$145 (early)	\$160 (late, after 1/15/21)	
I am attending ONSITE three, four or five days	\$145 per day		
I am attending VIRTUALLY	\$100 per day		
<b>PAYMENT OPTIONS</b> (Bill Me, Check or P.O.)		<b>TOTAL</b>	
Bill Me (Code Council Members only) Member #:	Payment Enclosed (Checks payable to: International Code Council)		
Purchase Order No. :	<i>Copy of authorized P. O. required</i>		