

REGISTER BY
FEBRUARY 20TH
FOR BEST SELECTION

Edu CODE^{international}

Knowledge to build on

Eighteen Years of Building Code Education
2015

March 9 – 13
THE ORLEANS HOTEL
LAS VEGAS, NEVADA

1-888-ICC-SAFE (422-7233), ext. 33818
www.iccsafe.org/training • www.educode.us



**INTERNATIONAL
CODE COUNCIL®**

People Helping People Build a Safer World®

SESSION DESCRIPTIONS

MONDAY 3/9 SESSIONS

2012 IBC Fundamentals

CEU: 0.8

Session 1



This seminar focuses on the basic concepts of the 2012 *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 ICC family of *International Codes*® (I-Codes®).

Experience Level: Intermediate

Instructor: Doug Thornburg

2014 NEC Analysis of Changes

CEU: 0.8

Session 2



Learn about the most crucial *National Electrical Code*® (NEC®) changes that impact your work! IAEI and NFPA, the two major authorities on code interpretation and enforcement, present these vital changes in an easy-to-use format filled with valuable advice from the experts. This extensive and popular program analyzes the major changes to the 2014 NEC. The cost of this seminar includes a copy of the IAEI *Analysis of Changes*. The full-color book has clear illustrations, photos and text that explain the changes and their impact. Members of the nineteen code-making panels contributed to the development of this authoritative text.

Experience Level: Intermediate

Instructors: Christel Hunter and Randy Hunter

Book Fee: \$74

2015 IFC Significant Changes

CEU: 0.8

Session 3



The purpose of *Significant Changes to the International Fire Code*® 2015 Edition is to familiarize fire officials, building officials, plans examiners, fire inspectors, design professionals and others with the many significant changes in the 2015 IFC. This course is designed to assist those code users in identifying the specific code changes that have occurred and, more importantly, understanding the reasons behind each change. It is also a valuable resource for jurisdictions in their code adoption process. This course will review each of the code changes approved by the International Code Council members and provide examples of how these provisions are applied. Extensive review of changes to many of the chapters will assist code officials and design professionals to understand the intent and application of the new or revised requirements in the 2015 IFC.

Experience Level: Intermediate

Instructor: Kevin Scott

2012 IRC Plan Review

CEU: 0.8

Session 4



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.

Experience Level: Intermediate

Instructor: Gary Pringley

Building Areas, Mixed Occupancies and Fire Areas

CEU: 0.8

Session 5



This seminar provides a comprehensive discussion of the major compartmentalization concepts of the *International Building Code*® (IBC®), focusing on those requirements that deal with building size, sprinkler options and mixed-use buildings. Fire-resistance-rated construction is also addressed. This class will include topics on allowable areas, area increases, unlimited area buildings, fire area concept and construction, incidental/accessory use areas and separated/non-separated uses.

Experience Level: Intermediate

Instructor: Steve Thomas

SESSION DESCRIPTIONS

MONDAY 3/9 SESSIONS

2012 IECC Significant Changes

CEU: 0.8

Session 6



The purpose of *Significant Changes to the International Energy Conservation Code® 2012 Edition* is to familiarize individuals with the many significant changes in the IECC from the 2009 to the 2012 edition of the code. This course is designed to assist code users in identifying the specific code changes that have occurred and, more importantly, understanding the reasons behind each change. This course will review each of the significant code changes approved by the International Code Council members and provide examples of how these provisions are applied. Extensive review of changes to many of the chapters will assist code officials and other professionals to understand the intent and application of the new or revised requirements in the 2012 IECC.

Experience Level: Intermediate

Instructor: John Farinelli

Plumbing Fundamentals

CEU: 0.8

Session 7



This seminar provides a general overview of the *Uniform Plumbing Code® (UPC®)*. Attendees will be taught how the code is organized, how to apply the code, and they will receive an introduction to key concepts and provisions. Topics covered will include: definitions, general regulations, fixtures and fittings, water heaters, water supply and distribution, drainage, vents, and traps and interceptors.

Experience Level: All

Instructor: Roger Fuller

Introduction to Leadership/Leadership Transition — Half Day AM

CEU: 0.4

Session 8



Reviews the key challenges and difference in needs when a person moves into a leadership position. Often described as the single most difficult career transition, the promotion to supervising, managing and leading others provides great opportunity to guide and direct others and move their performance through the application of your leadership skills. With the move to a leadership position, the expectations, responsibilities, and relationships change dramatically.

Experience Level: All

Instructor: Tim Schneider

Interpersonal Communication — Half Day PM

CEU: 0.4

Session 9



Provides the tools, skills and resources to ensure messages are properly sent and received. This foundational skill set is extremely important as a success factor in leadership, customer service and team dynamics. All facets of the communication equation are reviewed and improved in this program.

Experience Level: All

Instructor: Tim Schneider

Engineering and Design of PT Concrete — Half Day AM

CEU: 0.4

Session 10



This intensive seminar focuses on analysis, design, and construction of post-tensioning with emphasis on post-tensioned buildings. The course will present post-tensioning technology (materials, fabrication, and durability aspects), analysis and design concepts, load balancing, secondary moments, prestress losses, example problem, code requirements, application (tendon layout, retrofit), and construction/installation procedures. Practical design and construction tips will be included.

Experience Level: Intermediate to Advanced

Instructor: Miroslav F. Vejvoda

Special Inspection of Post-Tensioning — Half Day PM

CEU: 0.4

Session 11



"Special Inspection of Post-Tensioning" will cover current inspection and testing requirements of the 2012 *International Building Code® (IBC®)*, American Concrete Institute ACI 318-14, and the Prestressed Concrete Institute *Manual for Quality Control*. Attendees will further cover specification and field practices for unbonded single strand tendons, grouted post-tensioning and prestressed rock and soil anchors.

Experience Level: Intermediate to Advanced

Instructor: Tom Helm

SESSION DESCRIPTIONS

MONDAY 3/9 SESSIONS

2015 IBC Practical Occupancy Classification

CEU: 0.8

Session 12



This class is an interactive workshop that will discuss the characteristics of the various IBC occupancy classifications in detail. Practical application will be emphasized through the utilization of the risk-based system to properly classify occupancies. Subtle differences between occupancy, use and function will be addressed. Attendees will be familiarized with the unique aspects of Group H occupancy classification. Countless detailed code requirements are based on occupancy classification. It is imperative that design professionals and code enforcement officials fully understand this important first step to building design and analysis. Applicable changes to the 2015 IBC will be discussed in context with discussed provisions.

Experience Level: Advanced

Instructor: Greg Keith

Foreclosures and Abandonment: Understanding Mortgages from Origination to Default, Impacts of Vacancy, and Viable Solutions for Cities

CEU: 0.8

Session 13



This course will provide an understanding of the mortgage process from origination to default, its impact on vacancy, and it will discuss viable solutions for jurisdictions. We will further discuss timelines and processes of each state, involvement to preserve property, neighborhoods and the role of a preservation company. We will also cover personal property vs. debris, solutions, initiatives, tools for protecting neighborhoods, outreach, collaboration efforts and getting compliance.

Experience Level: All

Instructors: Michael Halpern, Safeguard Properties; Andrew Hohensee, Wells Fargo; Paul Magaha, Assurant Field Asset Service

2012 IBC Use of Fire and Smoke Separations — Half Day AM

CEU: 0.4

Session 14



This seminar identifies the many and varied conditions identified in the *International Building Code*® (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-resistant wall and floor construction, 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. The discussion will also address those separation elements that are not required to have a fire-resistance rating.

Experience Level: Intermediate

Instructor: George Mann

2012 IBC Fire-Resistance and Hazardous Uses — Half Day PM

CEU: 0.4

Session 15



This seminar identifies the various fire-resistive requirements applicable where hazardous uses are present. Fire-resistance-rated separations are often utilized as required enclosure elements for hazardous materials storage, or accepted as alternatives to required spatial separation. An extensive discussion of control areas as described in IBC Section 414.2 is provided. In addition, applicable provisions for Group H occupancies, incidental uses and separated occupancies are addressed. Specific requirements in the 2012 *International Fire Code*® (IFC®) regarding fire-resistance are also covered.

Experience Level: Intermediate

Instructor: George Mann

The Complete Permit Technician — Day One

CEU: 0.8

Session 16

This two-day course 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 course is also beneficial for preparing for the Permit Technician Certification Exam. **Please bring a calculator, 2012 *International Building Code*® (IBC®), 2012 *International Zoning Code*® (IZC®), *Legal Aspects of Code Administration* and *Basic Code Enforcement*.**

Experience Level: All

Instructor: Steve Burger, City of Folsom, CA

SESSION DESCRIPTIONS

TUESDAY 3/10 SESSIONS

2012 IRC Fundamentals

CEU: 0.8

Session 17



This seminar examines critical concepts of the building and energy provisions located in Chapters 1 through 11 of the 2012 *International Residential Code*® (IRC®). It provides a basis for the correct use and application of the code and builds on an understanding of the intent of the code through practice with real-world examples.

Experience Level: Intermediate

Instructor: Steve Van Note

Electrical Essentials

CEU: 0.8

Session 18



This seminar is designed to provide a strong foundation of electrical knowledge for engineers, electricians and inspectors whose work requires using the *National Electrical Code*® (NEC®) to locate, interpret, and apply requirements for electrical systems. Topics include basic electrical theory, NEC structure, general installation requirements found in NEC Chapters 1 through 3, basic plan reading, and more. Class will be based on the 2014 NEC.

Experience Level: All

Instructors: Christel Hunter and Randy Hunter

Book Fee: \$28

2012 IFC Fundamentals

CEU: 0.8

Session 19



This seminar will introduce the application of the *International Fire Code*® (IFC®) administrative requirements, occupancy classification, general precautions against fire, emergency planning and preparedness, fire service features, interior finish, decorative materials and furnishings, fire protection systems, and means of egress. It will also provide an introduction to hazardous materials. Activities and discussions will further enhance participant learning.

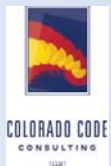
Experience Level: Intermediate

Instructor: Kevin Scott

Combination Inspections of Commercial Structures

CEU: 0.8

Session 20



This seminar provides commercial inspectors with basic techniques and a better understanding of conducting inspections of small commercial buildings. The discussion will include preparation, presentation and inspection of the structural, plumbing, mechanical and electrical portions of a building. This course will provide the steps, tools and processes required to complete a comprehensive inspection of a structure. It will also increase your awareness of the necessary requirements to ensure code compliance of the structures built in your jurisdiction.

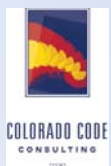
Experience Level: Intermediate

Instructor: Gary Pringey

2012 IBC Means of Egress

CEU: 0.8

Session 21



This class is a basic overview of the means of egress requirements included in Chapter 10 of the *International Building Code*® (IBC®). The presentation will include detailed discussions on the design of the means of egress in buildings. Subjects included in the class are the three parts of the means of egress including occupant loads, egress width, number of exits, travel distance, common path of egress travel and exit enclosures. Practical examples will be used to illustrate code requirements.

Experience Level: All

Instructor: Steve Thomas

2012 IgCC Fundamentals

CEU: 0.8

Session 22



This seminar introduces participants to the 2012 *International Green Construction Code*® (IgCC®). Participants will become familiar with the unique requirements of this code and learn to apply the critical concepts. The seminar addresses the development of the IgCC, and how it regulates new construction, existing construction, multiple occupancy classifications and building site development. It will also address how the IgCC relates to ASHRAE 189.1, *Standard for the Design of High-Performance Green Buildings*, and the ICC 700, the *National Green Building Standard*.

Experience Level: Intermediate

Instructor: John Farinelli

SESSION DESCRIPTIONS

TUESDAY 3/10 SESSIONS

Mechanical Fundamentals

CEU: 0.8

Session 23



This seminar provides a general overview of the *Uniform Mechanical Code*® (UMC®). Attendees will be taught how the code is organized, how to apply the code and receive an introduction to key concepts and provisions. Topics covered will include: definitions, general regulations, ventilation, exhaust, ducts, combustion air, boilers and refrigeration.

Experience Level: All

Instructor: Roger Fuller

Tone Setting, Morale , and Motivation — Half Day AM

CEU: 0.4

Session 24



This seminar focuses on the primary principles of people-centered leadership by providing the skills needed to have people want to work for you. The individual connection from leader to team and how that relates to motivation, satisfaction, and production is the primary focus of this seminar.

Experience Level: All

Instructor: Tim Schneider

Coaching I — Providing Feedback — Half Day PM

CEU: 0.4

Session 25



Coaching skills are at the core of all good supervision, management, and executive leadership. The nature of coaching in successful leadership is the engagement of team members and conducting a steady stream of performance-enhancing communication. Effective leaders understand that coaching is at the core of the day-to-day operations and the most effective method of letting team members know how they are doing. Coaching is also the best and most effective method to build future talent for the organization.

Experience Level: All

Instructor: Tim Schneider

Wood Engineering Design and Specification

CEU: 0.8

Session 26



This full-day class is geared toward the engineer or plan reviewer who wants hands-on wood design examples, and it will cover topics ranging from use and updates of the 2012 *National Design Specification Seismic* (NDS), 2008 *Special Design Provisions for Wind and Seismic* (SDPWS), as well as design examples for vertical loads using the US Cross-Laminated Timber (CLT) Handbook. The instruction will be approximately 70 percent lecture with 30 percent examples. Examples of problems will focus on allowable stress design and include design of connections and fire resistance calculation. Participants will be exposed to a wide variety of additional material in order to obtain a basic understanding of recent and future code change proposals.

Experience Level: Intermediate to Advanced

Instructor: Dennis Richardson

2015 IBC Occupancy-Based Requirements

CEU: 0.8

Session 27



This seminar is an interactive workshop that will demonstrate the system of determining those major nonstructural code requirements that are based on occupancy classification. Location on property requirements, to include exterior wall fire-resistance rating and opening protective requirements based on fire separation distance will be discussed in detail. Mixed occupancy design options for single- and multistory applications will be demystified. Allowable area determination based on permitted frontage, sprinkler and separate building increases will be stressed. Allowable height determination procedures will also be addressed. Comprehensive practical exercises will reinforce the technical relationships between the various occupancy-based design requirements. Applicable changes to the 2015 IBC will be discussed in context with discussed provisions.

Experience Level: Advanced

Instructor: Greg Keith

First Five Steps to a Graffiti-Free City — Half Day AM

CEU: 0.4

Session 28



Students will learn how to conduct a city-wide graffiti survey, how to get the biggest bang for their city budget, how to set up a city-friendly graffiti ordinance so that vandals face appropriate consequences, how to establish an effective package of penalties so that those who get caught don't want to get caught again and learn proven investigative techniques for graffiti cases.

Experience Level: All

Instructor: Rick Stanton, Graffiti Consultants

SESSION DESCRIPTIONS

TUESDAY 3/10 SESSIONS

Second Five Steps to a Graffiti-Free City — Half Day PM

CEU: 0.4

Session 29



Students will learn more about graffiti abatement resources, how to save money by just knowing what not to do, how to build partnerships with other agencies or departments, learn why people vandalize in the first place and learn all about the treasure chest of graffiti related topics not covered in any of the other steps.

Experience Level: All

Instructor: Rick Stanton, Graffiti Consultants

2012 IBC Penetrations, Joints and Dampers

CEU: 0.8

Session 30



This seminar will focus on the materials and methods of construction used to protect through penetrations and membrane penetrations of horizontal assemblies and fire-resistance-rated wall assemblies. In addition, fire-resistant joint systems used to protect joints in or between fire-resistance-rated walls, floor or floor/ceiling assemblies, and roofs or roof/ceiling assemblies will be discussed. Provisions regarding the protection of duct penetrations and air transfer openings will also be addressed as they relate to all fire-resistance-rated assemblies as well as nonfire-resistance-rated floor assemblies.

Experience Level: Intermediate

Instructor: Terrell Stripling

The Complete Permit Technician — Day Two

CEU: 0.8

Session 16

Day 2 of a two-day course that began on Monday, 3/9. This course 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 course is also beneficial for preparing for the Permit Technician Certification Exam. **Please bring a calculator, 2012 International Building Code® (IBC®), 2012 International Zoning Code® (IZC®), Legal Aspects of Code Administration and Basic Code Enforcement.**

Experience Level: All

Instructor: Steve Burger, City of Folsom, CA

2012 IBC Assembly Spaces

CEU: 0.8

Session 31



This seminar will address the 2012 *International Building Code®* (IBC®) requirements applicable to design and construction of assembly spaces. It will address the differences between the various Group A occupancies and how assembly uses may also fit within the business or educational occupancy classifications. Also covered will be the unique aspects of the code related to assembly uses including the stage and platform requirements of Section 410, the ICC 300 Standard for Bleachers, Folding and Telescopic Seating, and Grandstands, the special egress provisions of Section 1028, along with the special amusement building and motion picture projection room requirements from Chapter 4. *International Fire Code®* (IFC®) provisions related to places of assembly such as requirements for a fire watch, limitations on open flames, combustibles and finishes will also be addressed. The discussion will include the unique IBC criteria applicable to accessibility, fire protection and building size issues in assembly buildings.

Experience Level: Intermediate

Instructor: George Mann

WEDNESDAY 3/11 SESSIONS

2015 IRC Significant Changes

CEU: 0.8

Session 32



This seminar reviews and analyzes selected significant changes from the 2012 IRC to the 2015 IRC. It familiarizes building officials, fire officials, plans examiners, inspectors and design professionals with many of the significant changes in the 2015 IRC. It assists code users in identifying the specific code changes that have occurred, and more importantly, understanding the reason behind the change. Finally, it focuses on those code changes selected due to their frequency of application, special significance or change in application.

This course uses the *Significant Changes to the International Residential Code® 2015 Edition*.

Experience Level: Intermediate

Instructor: Steve Van Note

SESSION DESCRIPTIONS

WEDNESDAY 3/11 SESSIONS

Calculations Workshop

CEU: 0.8

Session 33



Through this seminar, attendees will have a better understanding of the calculations required by the *National Electrical Code*® (NEC®) and how to properly apply them in real-world settings. The seminar uses examples and student participation. This seminar will increase the student's ability to focus on the information contained in the NEC and to apply the NEC to actual field installations. Both commercial and residential calculations will be included, covering basic electrical calculations, conductor sizing, load calculations, conduit sizing, and more. The seminar will be based on the 2014 NEC.

Experience Level: Intermediate

Instructors: Christel Hunter and Randy Hunter

Book Fee: \$28

A User's Guide to Simplifying NFPA 72

CEU: 0.8

Session 34



This interactive one-day course provides a better understanding of how to use NFPA 72, National Fire Alarm and Signaling Code, 2013 edition and includes the fire alarm wiring requirements of the NEC. This information will be helpful to designers, installers, and service personnel, and also to those preparing to take a NICET test for fire alarm systems. This course will include some practice quizzes to help the attendee locate and use the information in NFPA 72.

Experience Level: All

Instructor: AFAA Staff

Fire-Resistant-Rated Construction

CEU: 0.8

Session 35



This course focuses on those elements of buildings that are required to be fire-resistance-rated due to other provisions of the code. Based on the *International Building Code*® (IBC®), provisions applicable to all of the occupancies and construction types will be addressed. The seminar is applicable to all aspects of the regulatory/design/construction community, including building officials, fire officials, plans examiners, inspectors, design professionals and contractors. Major topics include: required fire-resistance-rated construction in the IBC; resources to verify fire-resistance-rated construction; fire walls; fire barriers and fire partitions; horizontal assemblies; shaft enclosures; fire doors and fire windows; penetrations and joints; fire dampers and smoke dampers; fire-blocking and draft-stopping.

Experience Level: Intermediate

Instructor: Steve Thomas

2012 IBC Commercial Plan Review

CEU: 0.8

Session 36



This course explains the process of conducting a plan review for small/medium-sized commercial projects. It will cover the building, plumbing, mechanical, and electrical requirements for commercial projects. The first part will focus on the building code portion of reviews based on the *International Building Code*® (IBC®). The second part will focus on the plumbing, mechanical, and electrical portion of the review. The class will provide students with formats, process, and understanding of how to conduct a commercial plan review

Experience Level: All

Instructor: Gary Pringley

The House As a System — Half Day AM

CEU: 0.4

Session 37



This class will introduce the student to the concept of building science, focusing on how the systems that make up a house (i.e., envelope, mechanical, lighting) all affect each other and how to verify changes in those systems.

Experience Level: All

Instructor: Shaunna Mozingo

SESSION DESCRIPTIONS

WEDNESDAY 3/11 SESSIONS

Residential Energy: 3 Paths to Compliance — Half Day PM

CEU: 0.8

Session 38



This class will introduce the student to three paths that can be used to show compliance with the residential provisions of the energy code. The various tools to show compliance with any of those paths will also be demonstrated.

Experience Level: All

Instructor: Shaunna Mozingo

2012 UPC and IPC Code Changes — Half Day AM

CEU: 0.4

Session 39



In this seminar, participants will learn about the notable changes between the 2012 *Uniform Plumbing Code*® (UPC®) and *International Plumbing Code*® (IPC®) and earlier editions. Accordingly, the changes are noted during the seminar and supporting information about the changes is provided. General topics such as administration, definitions, and general requirements are covered as well as specific topics that include water heaters, water supply and distribution, traps and interceptors, health care facilities and medical gas, and vacuum systems.

Experience Level: All

Instructor: Tim Collings

2012 UMC and IMC Code Changes — Half Day PM

CEU: 0.4

Session 40



Do you need to know what is new in the 2012 *Uniform Mechanical Code*® (UMC®) and *International Mechanical Code*® (IMC®)? This half-day seminar will walk participants through the important code changes that will have an impact on the mechanical and code enforcement industries. Participants can expect an in-depth discussion of the important changes so they not only understand what changed but also why it changed and how it affects them directly.

Experience Level: All

Instructor: Tim Collings

EQI — Self-Awareness and Self-Management — Half Day AM

CEU: 0.4

Session 41



No one is able to manage and lead others unless they are able to manage themselves. The Self Management program utilizes the personal half of emotional intelligence to build the skills needed to manage actions, words, demeanor, attitude, and image correctly. The importance of a person's example and its impact on others is the primary focus of this unit.

Experience Level: All

Instructor: Tim Schneider

Coaching II — Delegation and Team Development — Half Day PM

CEU: 0.4

Session 42



Empowerment, delegation, and development is the powerful tool and skill set that takes coaching beyond feedback and into team growth and enhanced personal leadership effectiveness. The initial focus of this program is to overcome the common obstacles associated with delegation and transform simple task delegation into an empowerment process. The transition to empowerment is important in succession planning, developing team members, and creating a truly high-performance environment. The program will also highlight the difference between empowered delegation and the dumping of unimportant and unwanted tasks.

Experience Level: All

Instructor: Tim Schneider

Special Inspection of Reinforced Concrete — Half Day AM

CEU: 0.4

Session 43



"Special Inspection of Reinforced Concrete" will cover current inspection and testing requirements of the 2012 *International Building Code*® (IBC®), American Concrete Institute ACI 318-14, and 2012 Concrete Handbook. Attendees will cover codes and specifications, ASTM material requirements, certification, qualification, and ethics. Specifics will also include: welding, clearances, bend diameters, inspection of concrete placement, and testing. This fast-paced class is a must for the special inspector as well as design professionals looking for the "Field" experience.

Experience Level: Intermediate to Advanced

Instructor: Mark Hayes

SESSION DESCRIPTIONS

WEDNESDAY 3/11 SESSIONS

Special Inspection of Reinforced Masonry — Half Day PM

CEU: 0.4

Session 44



"Special Inspection of Reinforced Concrete" will cover current inspection and testing requirements of the 2012 *International Building Code*® (IBC®); 2012 *International Residential Code*® (IRC®); American Concrete Institute ACI 530-11, and the Masonry Institute of America's *Masonry Handbook*. Attendees will cover codes, plans, submittals, specifications, certification, qualification and ethics. Specifics will also include: materials, reinforcing steel, pre-stressing steel, ties, hooks, and seismic hooks. Also included are hot and cold weather masonry construction and requirements for grouting. This fast-paced class is a must for the special inspector as well as design professionals looking for the "Field" experience.

Experience Level: Intermediate to Advanced

Instructor: Mark Hayes

2015 IBC Types of Construction Options

CEU: 0.8

Session 45



This class is an interactive workshop that will demonstrate the system for the determination of construction requirements based on type of construction. The differences between the various IBC types of construction categories will be discussed. Fire resistance, materials (noncombustible and combustible), and opening protection requirements will be emphasized. General high-rise and smoke control requirements will be discussed. Techniques as to how to select the proper type of construction for new construction and how to identify the type of construction for existing buildings will be stressed. Applicable changes to the 2015 IBC will be discussed in context with discussed provisions.

Experience Level: All

Instructor: Greg Keith

Battling Bed Bugs: Bed Bug Biology, History and Treatment — Half Day AM

CEU: 0.4

Session 46



This course will cover the biology and history of bed bugs: Where did they come from? How did they get there? and Why are they so prevalent? It will cover treating bed bugs in apartments, public housing and answer the question, Who is responsible? Further discussion will address landlord, tenant, as well as local, state and federal government responsibilities. Treatment methods will be discussed. These include: Heat (Electric, Propane, etc.), Steam Cleaning, Cryo (CO₂) and Conventional Pesticides.

Experience Level: All

Instructor: Kevin Shelton, Oklahoma State University

Public Health Pests and Certification of Pest Control Applicators — Half Day PM

CEU: 0.4

Session 47



This course will address Public Health Pests: inspection and control methods (cockroaches, ticks, rodents, mosquitoes and bed bugs) and Pesticide Applicator Certification. We will discuss the various certification categories and the costs associated with certification or recertification. Discussion will also address commercial verses non-commercial certification, as well as different state requirements.

Experience Level: All

Instructor: Kevin Shelton, Oklahoma State University

Understanding Firestopping — Plan Review and Inspection

CEU: 0.8

Session 48

Firestopping has become a hot topic because of the new ICC Firestop Inspector Certification and the Firestop Inspector requirements in the 2012 *International Building Code*® (IBC®). This training is designed for plans examiners, fire and building inspectors, architects, and engineers. We will focus on understanding the requirements of Sections 714 and 715 of the 2015 IBC, including joint systems, perimeter containment, through and membrane-penetrations. We will also cover all of the significant changes found in the 2012 and 2015 IBC and the new ASTM firestop inspection standards. This program will provide helpful hints for plans examiners and inspectors.

Experience Level: All

Instructor: Brice Miller

Effective Supervisory Practices

CEU: 0.8

Session 49

This course is designed for all levels of supervisors who want to become more effective managers, as well as for those who have been recently appointed or are working toward being promoted to supervisory positions in either a public or private agency.

Experience Level: All

Instructor: Steve Forst

SESSION DESCRIPTIONS

WEDNESDAY 3/11 SESSIONS

Changes between ASCE 7-05 and ASCE 7-10

CEU: 0.8

Session 50



This seminar will present a detailed and comprehensive overview of the substantive changes from ASCE 7-05 to ASCE 7-10. Major revisions have taken place in both the wind design and the seismic design provisions. Wind design has changed more substantially than at any time since the publication of ASCE 7-95. The reorganization of the wind provisions will be discussed and the changes to the wind maps and the corresponding changes to the load factors will be explained. In addition, the new simplified version of the general analytical procedure under Method 2, which is applicable to buildings of all heights, will be addressed.

Experience Level: Intermediate to Advanced

Instructor: S.K. Ghosh

THURSDAY 3/12 SESSIONS

2015 IBC Significant Changes

CEU: 0.8

Session 51



Overviews the changes from the 2012 to the 2015 edition of the code. Identifies changes in organization and code requirements and the applicability of these requirements to design, plan review and inspection. This course uses the *Significant Changes to the International Building Code® 2015 Edition*.

Experience Level: Intermediate

Instructor: Doug Thornburg

NFPA 70-E Electrical Safety in the Work Place

CEU: 0.8

Session 52



Each year, hundreds of workers are injured or killed by contact with energized electrical circuits, and thousands more are severely burned or killed by arc flash and arc blast. People who may be exposed to energized electrical conductors, or who are responsible for worker safety, need to stay up-to-date on electrical safety procedures. This seminar provides vital information you need to reduce injuries and comply with OSHA 1910.331-335 and OSHA 1926.416-417 for construction. Class will be based on the 2015 NFPA 70-E Standard.

Experience Level: All

Instructor: Howard Herndon

Book Fee: \$66

Fire Sprinkler Plan Review

CEU: 0.8

Session 53



This seminar has been developed to give attendees core training and an introduction to the process of reading, interpreting and determining the compliance of fire sprinkler systems plans and hydraulic calculations with the applicable codes and standards for design and installation. The process involves a review of the knowledge of various topics contained in the 2013 edition of NFPA 13, Standard for the Installation of Sprinkler Systems. The recent expansion of NFPA 13 requires a more detailed approach to plans review. Discussion and information provided will include topics such as identification of various construction types, commodity classes, occupancy hazards, system types, and sprinklers themselves. This seminar relies heavily on class participation utilizing several class exercises to: 1) determine coverage areas for various sprinkler spacings and resulting minimum water discharge, 2) calculate the math necessary to interpret water flow test results, 3) perform a sample plan with supporting hydraulic calculations, followed by a review and discussion of deficiencies. Upon completion of this seminar, participants should be able to interpret compliance of fire sprinkler systems plans and hydraulic calculations; identify coverage area maximums and sprinkler locations; and describe potential plan deficiencies. Plan reviewers, fire inspectors, insurance representatives, architects, system layout technicians, and engineers will all find this to be a very beneficial learning experience.

Experience Level: All

Instructor: AFSA staff

Continued on page 14

SESSION DESCRIPTIONS

TRACK	MONDAY MARCH 9	TUESDAY MARCH 10	WEDNESDAY MARCH 11	THURSDAY MARCH 12	FRIDAY MARCH 13
I-CODES	2012 IBC Fundamentals Session 1 FULL DAY	2012 IRC Fundamentals Session 17 FULL DAY	2015 IRC Significant Changes Session 32 FULL DAY	2015 IBC Significant Changes Session 51 FULL DAY	Significant Changes of Accessibility A117.1 Session 68 FULL DAY
ELECTRICAL	2014 NEC Analysis of Changes Session 2 FULL DAY	Electrical Essentials Session 18 FULL DAY	Calculations Workshop Session 33 FULL DAY	NFPA 70-E Electrical Safety in the Work Place Session 52 FULL DAY	Hazardous Locations Session 69 FULL DAY
FIRE PROTECTION	2015 IFC Significant Changes Session 3 FULL DAY	2012 IFC Fundamentals Session 19 FULL DAY	A User's Guide to Simplifying NFPA 72 Session 34 FULL DAY	Fire Sprinkler Plan Review Session 53 FULL DAY	Fire Resistance Rated Construction in Taller Wood Buildings Session 70 FULL DAY
RESIDENTIAL INSPECTION AND PLAN REVIEW	2012 IRC Plan Review Session 4 FULL DAY	Electrical Essentials Session 18 FULL DAY	UPC & IPC Code Changes AM Session 39	2012 IRC Residential Inspections Session 54 FULL DAY	Ethics and Decision Making AM Session 78
			UMC & IMC Code Changes PM Session 40		Improper Plumbing - Scalding and other Safety Risks PM Session 76
BUILDING PLAN REVIEW AND INSPECTIONS	Building Areas, Mixed Occupancies and Fire Areas Session 5 FULL DAY	2012 IBC Means of Egress Session 21 FULL DAY	2012 IBC Commercial Plan Review Session 36 FULL DAY	Overview of Accessibility Requirements Session 55 FULL DAY	Special Inspections Session 73 FULL DAY
COMMERCIAL INSPECTION	2012 IBC Fundamentals Session 1 FULL DAY	Combination Inspections of Commercial Structures Session 20 FULL DAY	Fire-Resistant Rated Construction Session 35 FULL DAY	Fire-Resistance, Opening Protection and the 5 Walls Session 65 FULL DAY	Prescriptive Requirements of Chapter 34 and the IEBC AM Session 71
					Work Area Provisions and Compliance Alternatives in the IEBC PM Session 72
INTERFACING ENERGY AND THE CODES	2012 IECC Significant Changes Session 6 FULL DAY	2012 IgCC Fundamentals Session 22 FULL DAY	The House As a System AM Session 37	Residential Energy 101 AM Session 56	COMcheck Basics AM Session 74
			Residential Energy: 3 Paths to Compliance PM Session 38	Commercial Energy 101 PM Session 57	REScheck Basics PM Session 75
PLUMBING AND MECHANICAL	Plumbing Fundamentals Session 7 FULL DAY	Mechanical Fundamentals Session 23 FULL DAY	UPC and IPC Code Changes AM Session 39	Plumbing Code Workshop AM Session 58	Gas Installation Disasters - Prevention and Post-Disaster Assessment and Mitigation AM Session 76
			UMC and IMC Code Changes PM Session 40	Mechanical Code Workshop PM Session 59	Improper Plumbing - Scalding and other Safety Risks PM Session 77
Registration – Opens 6:30 AM to 4:00 PM Each Day EXPO and Bookstores – Open 7:00 AM to 5:00 PM Each Day					

SESSION DESCRIPTIONS

TRACK	MONDAY MARCH 9	TUESDAY MARCH 10	WEDNESDAY MARCH 11	THURSDAY MARCH 12	FRIDAY MARCH 13
LEADERSHIP AND MANAGEMENT	Introduction to Leadership/ Leadership Transition AM Session 8	Tone Setting, Morale, and Motivation AM Session 24	EQI – Self-Awareness and Self-Management AM Session 41	Courage, Risk and Thinking AM Session 60	Ethics and Decision Making AM Session 78
	Interpersonal Communication PM Session 9	Coaching I – Providing Feedback PM Session 25	Coaching II – Delegation and Team Development PM Session 42	EQII – Personal Power and Relationships PM Session 61	Change and Innovation PM Session 79
STRUCTURAL ENGINEERING AND INSPECTION	Engineering and Design of PT Concrete AM Session 10	Wood Engineering Design and Specification Session 26 FULL DAY	Changes between ASCE 7-05 and ASCE 7-10 Session 50 FULL DAY	Anchor Design Provisions and Changes in ACI 318-11 Session 67 FULL DAY	Inspection of Seismic Steel Connections Session 80 FULL DAY
	Special Inspection of Post Tensioning PM Session 11				
ADVANCED CODE REVIEW	2015 IBC Practical Occupancy Classification Session 12 FULL DAY	2015 IBC Occupancy- Based Requirements Session 27 FULL DAY	2015 IBC Types of Construction Options Session 45 FULL DAY	2015 IBC Prescriptive Means of Egress Components Session 63 FULL DAY	2015 IBC Performance- Based Means of Egress Design Session 81 FULL DAY
COMBINATION INSPECTIONS – FIRE AND BUILDING	2012 IBC Use of Fire and Smoke Separations AM Session 14	2012 IBC Assembly Spaces Session 31 FULL DAY	Fire-Resistant Rated Construction Session 35 FULL DAY	2012 IBC Care Facilities Session 66 FULL DAY	2012 IBC Fire Resistance of Building Components AM Session 83
	2012 IBC Fire Resistance and Hazardous Uses PM Session 15				Special Building Types and Features PM Session 87
THE SPECIAL INSPECTOR	Engineering and Design of PT Concrete AM Session 10	Wood Engineering Design and Specification Session 26 FULL DAY	Special Inspection of Reinforced Concrete AM Session 43	Structural Steel and Bolting Inspection Session 62 FULL DAY	Special Inspection of Structural Welding AM Session 86
	Special Inspection of Post Tensioning PM Session 11		Special Inspection of Reinforced Masonry PM Session 44		Special Inspection of Spray Applied Fireproofing PM Session 84
CODE ENFORCEMENT	Foreclosures and Abandonment Session 13 FULL DAY	First Five Steps to a Graffiti-Free City AM Session 28	Battling Bed Bugs: Bed Bug Biology, History and Treatment AM Session 46	Overview of the ICC International Property Maintenance Code® Session 64 FULL DAY	Overview of the 2012 ICC International Zoning Code® Session 82 FULL DAY
		Second Five Steps to a Graffiti-Free City PM Session 29	Public Health Pests and Certification of Pest Control Applicators PM Session 47		
FIRE RESISTIVE CONSTRUCTION	2012 IBC Use of Fire and Smoke Separations AM Session 14	2012 IBC Penetrations, Joints and Dampers Session 30 FULL DAY	Understanding Fire Stopping – Plan Review and Inspection Session 48 FULL DAY	Fire-Resistance, Opening Protection and the 5 Walls Session 65 FULL DAY	2012 IBC Fire Resistance of Building Components AM Session 83
	2012 IBC Fire- Resistance and Hazardous Uses PM Session 15				Special Inspection of Spray Applied Fireproofing PM Session 84
PERMIT TECH TO CBO	The Complete Permit Technician Day 1	The Complete Permit Technician Day 2	Effective Supervisory Practices Session 49 FULL DAY	Courage, Risk and Thinking AM Session 60	Legal Aspects of Code Administration Session 85 FULL DAY
	Session 16 FULL DAY			EQII – Personal Power and Relationships AM Session 61	

SESSION DESCRIPTIONS

THURSDAY 3/12 SESSIONS

2012 IRC Residential Inspections

CEU: 0.8

Session 54



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

Experience Level: All

Instructor: Gary Pringey

Overview of Accessibility Requirements

CEU: 0.8

Session 55



This class provides basic concepts of disabled accessible design and construction using the *International Building Code*® (IBC®) and *ICC/ANSI A117.1*. The first portion of the class will discuss WHEN accessible features are required by the IBC. The remainder of the class will be devoted to HOW a building and its site is made accessible by the A117.1 standard. This class is intended for the code user who is either new to accessible design or is in need of a refresher on the ever-changing requirements.

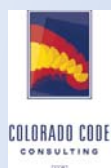
Experience Level: All

Instructor: Steve Thomas

Residential Energy 101 — Half Day AM

CEU: 0.4

Session 56



This class will introduce the student to the basic residential energy requirements as well as the various paths to compliance, tools to show compliance, and the flexibility built into the code.

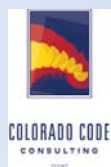
Experience Level: All

Instructor: Shaunna Mozingo

Commercial Energy 101 — Half Day PM

CEU: 0.4

Session 57



This class will introduce the student to the basic commercial energy requirements as well as the various paths to compliance, tools to show compliance, and the flexibility built into the code.

Experience Level: All

Instructor: Shaunna Mozingo

Plumbing Code Workshop — Half Day AM

CEU: 0.4

Session 58



The workshop presents an opportunity for participants to test their code knowledge and learn from their peers. During the workshop, participants are placed into groups and are given drawings of plumbing installations and asked to determine if the systems and components are in compliance with the 2012 *Uniform Plumbing Code*® (UPC®). The findings are then presented to everyone in attendance to determine if they are correct and to discuss any code issues discovered in the drawing.

Experience Level: All

Instructor: Tim Collings

Mechanical Code Workshop — Half Day PM

CEU: 0.4

Session 59



The workshop presents an opportunity for participants to test their code knowledge and learn from their peers. During the workshop, participants are placed into groups and are given drawings of mechanical installations and asked to determine if the systems and components are in compliance with the 2012 *Uniform Mechanical Code*® (UMC®). The findings are then presented to everyone in attendance to determine if they are correct and to discuss any code issues discovered in the drawing.

Experience Level: All

Instructor: Tim Collings

SESSION DESCRIPTIONS

THURSDAY 3/12 SESSIONS

Courage, Risk, and Thinking — Half Day AM

CEU: 0.4

Session 60



This session examines the delicate balance between courageous action and assessing the risk associated with that action. For leaders to be effective, they must summon courage to act, courage to speak and courage to make decisions. As important as this is, effective leaders must also understand risk and the analysis necessary to make smart choices.

Overcoming fear and learning the correct applications of courage are the beginning point of this program. From there, "Courage, Risk, and Thinking Analysis" examines several key elements in leadership development related to how leaders view their world and, ultimately, how successful they are at seeing the big picture. This program provides the skills needed to critically examine any project, proposal, or operational function. This involves asking probing questions, inquiring about the "why," and connecting activities back to the core mission of a business. Another important part of this unit is to use critical thinking effectively but to avoid becoming the critic.

Experience Level: All

Instructor: Tim Schneider

EQII — Personal Power and Relationships — Half Day PM

CEU: 0.4

Session 61



The second half of emotional intelligence (Relationships and External Management), will focus on the projection of your personality and how you interact with others. In a leadership position, you cannot lead without the support of your followers. With more global working environments, you cannot lead without the support of your boss, team members, peers, and customers. This program will examine the needed

skills to make sure you have the support needed to execute your plans and objectives and are well thought of in your organization.

Experience Level: All

Instructor: Tim Schneider

Structural Steel and Bolting Inspection

CEU: 0.8

Session 62



An eight-hour seminar on the inspection of structural bolting under the RCSC Specification for Structural Joints Using High-Strength Bolts and the AISC Specification for Structural Steel Buildings.

Experience Level: Intermediate to Advanced

Instructor: Robert E. Shaw

2015 IBC Prescriptive Means of Egress

CEU: 0.8

Session 63



This is an interactive workshop that will discuss in detail the prescriptive construction requirements for the various means of egress components intended to support a given means of egress design. All means of egress components, from doors to horizontal exits, will be pursued. How various exit access components, exit components, and exit discharge components are used to satisfy certain means of egress design requirements will be discussed. Applicable changes to the 2015 IBC will be discussed in context with discussed provisions.

Experience Level: Advanced

Instructor: Greg Keith

Overview of the 2012 International Property Maintenance Code

CEU: 0.8

Session 64



This session is a general overview of the 2012 *International Property Maintenance Code*® (IPMC®) and the requirements contained therein. A period will follow in which participants will have the opportunity to put forth issues currently impacting them and the techniques they are utilizing to bring about compliance. Additionally, participants will have the opportunity to ask questions concerning current code enforcement issues and best management practices.

Experience Level: All

Instructor: Roy Fyffe, Texas Code Consulting

SESSION DESCRIPTIONS

THURSDAY 3/12 SESSIONS

Fire-Resistance, Opening Protection and the Five Walls

CEU: 0.8

Session 65



This seminar reviews fundamental principles found within Chapters 3 through 10 of the *International Building Code*® (IBC®) as they pertain to the use of the five walls, their openings, and opening protectives. Based on the 2012 IBC as far as references are concerned, regardless of the current IBC edition that a jurisdiction may be enforcing, this seminar addresses guideline fundamentals and has proven to be a very insightful and helpful study of core code issues. These core issues are: definition of the five walls, elevators and elevator lobbies, exit access separation, vertical opening separation, occupancy separation, area separation, corridor separation, smoke compartmentalization, and the use of smoke barriers.

Experience Level: Intermediate

Instructor: David Dodge

2012 IBC Care Facilities

CEU: 0.8

Session 66



This seminar will address provisions in the 2012 *International Building Code*® (IBC®) and referenced standards relating to the design and construction of care facilities, such as medical care, custodial care, ambulatory care, and day care facilities. It will focus on the specific decision making needed to apply the provisions appropriately by highlighting the differences between the various types of care activities. The seminar will include a discussion on how the length of stay, number of care recipients, degree of care and capability/incapability of self-preservation all relate to the occupancy classification and resultant code requirements. Smoke compartments, dwelling and sleeping unit separations, incidental use separations and other special conditions provisions are also addressed. Unique provisions will be highlighted in the areas of accessibility, type of construction, fire protection, means of egress, and interior finishes. During this seminar participants will listen to lecture, discuss examples, and participate in activities that pertain to applying sections of the IBC to care facilities.

Experience Level: Intermediate

Instructor: Jay Woodward

Anchor Design Provisions and Changes in ACI 318-11

CEU: 0.8

Session 67



Ever since Appendix D, Anchoring to Concrete, was introduced in the 2002 edition of ACI 318, the design of anchors subject to seismic forces in structures assigned to Seismic Design Category C and above has been problematic. Real relief has finally been provided in ACI 318-11. This portion of the seminar will discuss the significant revisions to the seismic design provisions for anchorage to concrete, including: 20 percent rule for invoking seismic design requirements, ductile anchor check — single anchors and groups, 8db stretch length requirement, and options for shear.

Experience Level: Intermediate to Advanced

Instructor: S.K. Ghosh

FRIDAY 3/13 SESSIONS

A117.1 Significant Changes

CEU: 0.8

Session 68



Overview and in-depth coverage of the changes from the 2003 to the 2009 A117.1 Accessibility Standard. Identifies important changes in organization, accessibility standard requirements, and the applicability of these requirements to design, plan review, and inspection. This course uses the ICC publication *Significant Changes to the A117.1 Accessibility Standard 2009 Edition*.

Experience Level: Intermediate

Instructor: Jay Woodward

Hazardous Locations

CEU: 0.8

Session 69



This IAEI seminar covers the requirements for electrical installations in hazardous (classified) locations. It is primarily based on the provisions set forth in the *National Electrical Code*® (NEC®). The material has been developed in the interest of promoting greater understanding and increasing electrical safety for systems in hazardous (classified) locations. This material is based on the authoritative text IAEI's *Hazardous Locations*. Fundamentals and critical requirements for electrical wiring in hazardous (classified) locations are explained in easily understood language. Hundreds of new and revised color illustrations and photos exemplify the proper use and application of the electrical requirements in these locations.

Experience Level: Intermediate

Instructor: Mark Ode

Book Fee: \$17

SESSION DESCRIPTIONS

FRIDAY 3/13 SESSIONS

Fire-Resistance-Rated Construction in the IBC and the Movement toward Larger and Taller Wood Buildings

CEU: 0.8

Session 70



This full-day class is geared toward the building official, fire marshal, plan checker, or inspector who would like to learn or improve their understanding of the 2012 *International Building Code*® (IBC®) fire-resistance-rated construction while forming the basis for understanding the fire resistance rationale behind proposals for larger and taller wood structures.

Experience Level: All

Instructor: Dennis Richardson

Prescriptive Requirements of Chapter 34 and the IEBC — Half Day AM

CEU: 0.4

Session 71



This half-day class addresses the use of the prescriptive portions of Chapter 34 of the *International Building Code*® (IBC®) and the *International Existing Building Code*® (IEBC®). It focuses on the fundamental requirements placed on an existing structure that undergoes repair work, alteration, renovation activity or construction of an addition, and the effect of a change in the building's occupancy classification.

Experience Level: All

Instructor: Gary Pringey

Work Area Provisions and Compliance Alternatives in the IEBC — Half Day PM

CEU: 0.4

Session 72



This half-day class addresses the use of the work area provisions and compliance alternative of the *International Existing Building Code*® (IEBC®). It focuses on two additional options to the prescriptive requirements to show compliance with the code. The class discusses work area requirements including Level 1, 2, and 3 alterations as well as compliance alternatives method of evaluating work in an existing building.

Experience Level: All

Instructor: Gary Pringey

Special Inspections — Enforcement of Chapter 17

CEU: 0.8

Session 73



This class discusses the requirements of Chapter 17 of the *International Building Code*® (IBC®). The student will learn the requirements for a special inspection agency and what components in a building are required to be inspected by an inspection agency. This class is designed for building department personnel to provide follow up inspections of special inspections and to understand the reports provided by the special inspector.

Experience Level: All

Instructor: Steve Thomas

COMcheck Basics — Half Day AM

CEU: 0.4

Session 74



This familiar tool is used to show compliance with the commercial provisions of the *International Energy Conservation Code*® (IECC®). The provisions have been overhauled and updated. This class will walk you through how to use COMcheck™ as well as how to read the reports for compliance.

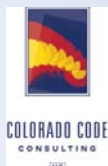
Experience Level: All

Instructor: Shaunna Mazingo

REScheck Basics — Half Day PM

CEU: 0.4

Session 75



This familiar tool is used to show compliance with the residential provisions of the *International Energy Conservation Code*® (IECC®). Total UA path has been overhauled and updated. This class will walk you through how to use REScheck™ as well as how to read the reports.

Experience Level: All

Instructor: Shaunna Mazingo

SESSION DESCRIPTIONS

FRIDAY 3/13 SESSIONS

Installation Disasters — Prevention and Post-Disaster Assessment and Mitigation — Half Day AM

CEU: 0.4

Session 76



This presentation will take an in-depth look at fuel gas piping system failures that had catastrophic results. There will be a focus on the cause of these system failures and what steps could have been taken to prevent such incidents. Specifically, the roll of installation techniques, code compliance, inspections (before and after the disaster), and safety precautions will be reviewed in each case study. The reviews will cover the range of disasters from residential neighborhoods to industrial complexes.

Experience Level: All

Instructor: Dan Rademacher

Safety Risks of Improper Plumbing — Half Day PM

CEU: 0.4

Session 77



This presentation will discuss the reality of the scalding, legionnaires disease and SARS outbreaks and thermal shock hazards, possible conditions in which they may occur and the steps necessary to avoid these hazards. Attendees will come away with a better understanding and awareness of avoiding the health and safety risks of improper plumbing. This class is a must for anyone working with domestic hot water.

Experience Level: Intermediate

Instructor: Dan Rademacher

Ethics and Decision Making — Half Day AM

CEU: 0.4

Session 78



Often described as natural or intuitive, decision making and ethics are important leadership traits and skills. This program will guide participants through a series of triage work to determine the level of decision being made, the potential consequences of the decision, and when to seek collaboration and when to make the decision as a leader. Additionally, the program looks at the pitfalls of delegating decision making upwardly and the appearance of indecisiveness with decision opportunities. The balance between the right amount of information, being rash, and making a decision are also covered in detail. The final element of this section of the program will be to develop decision-making systems that eliminate bottlenecks and greatly reduce micromanagement.

Experience Level: All

Instructor: Tim Schneider

Change and Innovation — Half Day PM

CEU: 0.4

Session 79



The one constant at work and in our lives is change. Everything and everyone changes. Sometimes it appears that the world is in a constant state of flux. Innovation and change management provide the skills needed to accept and embrace change and to work successfully in a changing environment. Beginning with understanding the reasons for change, this program guides participants through the typical change cycle and how people stress, cope, and eventually adapt and perform.

Experience Level: All

Instructor: Tim Schneider

Inspection of Seismic Steel Connections

CEU: 0.8

Session 80



An eight-hour seminar on the construction and inspection of connections in steel buildings under AISC 341 Seismic Provisions for Structural Steel Buildings, AISC 358 Prequalified Connections for Special and Intermediate Steel Moment Frames for Seismic Applications, and AWS D1.8 Structural Welding Code - Seismic Supplement, with discussion of previous and pending requirements and practices.

Experience Level: Intermediate to Advanced

Instructor: Robert E. Shaw

SESSION DESCRIPTIONS

FRIDAY 3/13 SESSIONS

2015 IBC Performance-Based Means of Egress Design

CEU: 0.8

Session 81



This class is an interactive workshop that will describe how to design a means of egress system based on Chapter 10 requirements. The performance-based aspect of means of egress design that is intended to accommodate various building configurations will be emphasized. The “three-part” means of egress system provisions will be discussed in detail. The differences between capacity-based and occupant-tenability-based design requirements will be explained. Comprehensive practical exercises will reinforce the “system” of proper means of egress design. Applicable changes to the 2015 IBC, to include exit and exit access stairway provisions, will be discussed in context with discussed material.

Experience Level: Advanced

Instructor: Greg Keith

Overview of the 2012 International Zoning Code

CEU: 0.8

Session 82



This course will provide the participant with an introduction to the history of zoning and the importance of zoning enforcement to the public health and safety in all communities. A highlight of the concepts, format, uses and implementation of the *International Zoning Code*® (IZC®) will be covered. The course will demonstrate and identify the major components of the IZC in local zoning ordinances.

Experience Level: All

Instructor: Dan Peterson, Village of Lake Zurich, IL

2012 IBC Fire Resistance of Building Components — Half Day AM

CEU: 0.4

Session 83



This seminar focuses on those provisions of *International Building Code*® (IBC®) Chapters 6 and 7 that relate to structural fire resistance, as well as the use of combustible and noncombustible building materials. Subjects to be discussed also include heavy-timber members, exterior structural members and sprayed fire-resistant materials. Prescriptive fire-resistance of structural members and the calculation of fire-resistance for such members will be reviewed. In addition, related topics such as membrane structures, roofing classification and roof structures will be reviewed.

Experience Level: Intermediate

Instructor: Terrell Stripling

Special Inspection of Spray-Applied Fireproofing — Half Day PM

CEU: 0.8

Session 84



This seminar will cover current special inspection and testing requirements of “Spray-Applied Fireproofing” found in the 2012 *International Building Code*® (IBC®), AWCI Technical Manual 12-A 3rd Edition, and AWCI Technical Manual 12-B 2nd Edition. Specifics will also include Sections 704.13 “Sprayed fire-resistant materials (SFRM)” and 1705.13 “Special Inspection for Sprayed fire-resistant materials.” Attendees will

discuss codes, plans, submittals, specifications, certification, qualification, and ethics. This fast-paced class is a must for the special inspector as well as design professionals looking for the “Field” experience.

Experience Level: All

Instructor: Kishan Singh

Legal Aspects of Code Administration

CEU: 0.8

Session 85



This course provides code officials with guidelines for administering the legal aspects of codes with regard to enforcement, prosecution, and maintenance. In this course participants will discuss historical consequences of ignoring the regulation of building construction and materials, and learn how to interpret and apply to local government the state and federal legislative laws pertaining to the administration and enforcement of a building code. Participants will also be able to define and apply concepts that are legally important to the administration and enforcement of a building code, and establish or document rules of procedure used before a board of building code appeals. By using the guidelines presented in the course, participants will learn how to effectively testify in a court of law.

Experience Level: All

Instructor: Robert Church

SESSION DESCRIPTIONS

FRIDAY 3/13 SESSIONS

Special Inspection of Structural Welding — Half Day AM

CEU: 0.4

Session 86



Special Inspection of Structural Welding” will cover current inspection and testing requirements of the 2012 *International Building Code*® (IBC®) Section 2204, American Institute of Steel Construction (AISC) 360-10 (J1, J2, M2, N1–N7), and American Welding Association (AWA) D1.1-10, D1.3-08, D1.4-11. Attendees will cover codes and specifications, AISC material requirements, certification, qualification, and ethics.

Specifics will also include: welding, simple and moment connections, splices, compression members, placement of bolts, and inspection of welds and testing. This fast-paced class is a must for the special inspector as well as design professionals looking for the “Field” experience.

Experience Level: Intermediate to Advanced

Instructor: Mark Hayes

2012 IBC Special Building Types and Features — Half Day PM

CEU: 0.4

Session 87



Based on selected provisions from Chapter 4, this seminar focuses on several special building types and features. High-rise buildings, underground buildings, and parking garages are specialized buildings that have their own unique considerations. Atriums, stages, and platforms are building features that are evaluated in a special manner due to the hazards involved. The special detailed requirements and allowances set forth throughout Chapter 4 address a variety of uses and occupancies.

Experience Level: Intermediate

Instructor: Terrell Stripling

The ORLEANSSM

CONFERENCE LOCATION

THE ORLEANS HOTEL & CASINO

Mezzanine Level

4500 W. Tropicana Avenue

Las Vegas, Nevada

1-800-675-3267

ROOM RESERVATIONS

Room reservations must be made by February 6, 2015. Please call 1-800-675-3267 and identify yourself as an attendee of **EduCODE 2015** and provide the EduCode group code 5EDUC03. You will then receive the following discounted room rates:

\$39 Sunday through Thursday, 3/08/2015—3/12/2015

\$96 Friday & Saturday nights, 3/13/2015 & 3/14/2015

You may also contact The Orleans online at:

www.orleanscasino.com/groups

Please be sure to provide the

EduCODE Group Code 5EDUC03

DON'T FORGET TO BOOK YOUR ROOM BY

February 6, 2015.

REGISTRATION INFORMATION

Registration fees include: Instruction, reference materials or books (when applicable and unless otherwise noted), lunch and break refreshments. Codes and other reference books are NOT provided and are the responsibility of the student. For your convenience, code books and other reference materials may be purchased from the International Code Council (ICC) on-site bookstore during the conference. Please review the session descriptions for required reference materials or supplies.

REGISTRATION COSTS

SAVE MONEY — REGISTER EARLY

Early Registration

\$800 - Full Five Day Week per Registrant*

\$200 - Per Day or Session

Early Registration ends on February 20, 2015

Late or On-site Registration

\$1000 - Full Five Day Week per Registrant*

\$250 - Per Day or Session*

***Includes books/materials unless noted in class description**

REGISTRATION METHODS

1. REGISTER ONLINE

The Code Council's secure website:

www.iccsafe.org/training.

Follow the easy online directions.

2. REGISTER BY MAIL

Complete the registration form on the next page and mail to:

EduCode Registrar

International Code Council

Chicago District Office

4051 Flossmoor Road

Country Club Hills, Illinois 60478

3. EDUCODE HELP LINE

Contact the Code Council at 1-888-422-7233, ext. 33818 or
jfranklin@iccsafe.org

CONFIRMATION

Registration confirmation will be sent by EduCODE within two days of receipt of registration.

CANCELLATION POLICY

If you need to cancel, EduCODE must receive notification in writing by March 2, 2015 for you to receive a full refund. All refund requests after this date will be credited toward next year's EduCODE conference attendance only.

EDUCODE EVENTS

- Tuesday Night: Student Appreciation Event!
5:30 - 7:30 PM
Come join us for drinks and food
Sponsored by SN-ICC, IAPMO and AACE
- Wednesday & Thursday Night: ICC Certification Exams
5:00 PM each evening
Expanded selection of exams this year!
- EduCode Expo
Daily from 7:00 AM – 5:00 PM
Come visit the various suppliers of products and services that affect our Built Environment
- ICC Bookstore
Daily from 7:00 AM – 5:00 PM

SUBSTITUTIONS

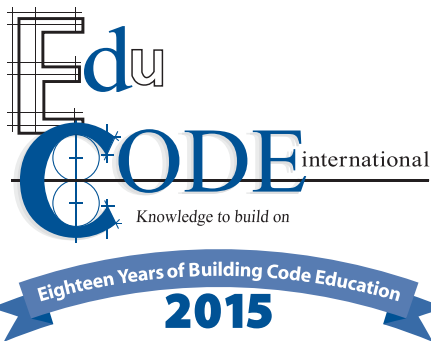
Whenever a registrant is unable to attend a paid class session, a request for substitution may be made by contacting ICC at 1-888-422-7233, ext. 33818. Requests after February 20, 2015, must be made in person at the EduCODE Conference Registration Booth.

CONTINUING EDUCATION INFORMATION

All EduCODE sessions are recognized by ICC for CEUs towards maintenance of your ICC certifications. Check with your local licensing board for additional CEU requirements.

CERTIFICATION & TESTING

- Test will be offered on Wednesday, 3/10 and Thursday, 3/11 at 5:00 PM
- Certification exams will be paper and pencil
- Registration and payment on-site
- Please check **www.iccsafe.org/educode** for more detailed information including tests offered and pricing.



www.snicc.org
www.educode.us

ICC Membership Number:				EARLY REGISTRATION INFORMATION <ul style="list-style-type: none"> • Best Value \$\$ - Full week Registration • Early Registration Deadline February 20, 2015 • \$200—Per Day or Session • \$800—Full Five Day Week LATE REGISTRATION INFORMATION <ul style="list-style-type: none"> • \$250—Per Day or Session • \$1000—Full Five Day Week ON SITE REGISTRATION <ul style="list-style-type: none"> • \$250—Per Day or Session • \$1000—Full Five Day Week <p>SN-ICC and the International Code Council reserve the right to photograph or videotape classes and seminars for promotional purposes. Your registration serves as permission to SN-ICC and ICC to copyright, publish and use your likeness in print, online or in other media and to exchange contact information with other participants from this event for the purpose of networking and consultation. If you do not wish to be photographed or videotaped, please tell the camera operator.</p> <p>Mail to: EduCode Registrar, International Code Council Central Regional Office 4051 Flossmoor Road Country Club Hills, Illinois 60478</p> <p>Fax to: 708-799-2651 Contact the International Code Council at 1-888-422-7233, extension 33818 or jfranklin@iccsafe.org</p>
First Name:		Middle Initial:		
Last Name:				
Job Title for Badge:				
Jurisdiction/Organization:				
Address:				
City:				
State/Province:				
Zip Code:				
Country:				
E-Mail:				
Day Telephone:		Extension:		
Home Telephone:		Fax Number:		
Please indicate if you require special classroom accessibility accommodations:				

CLASS REGISTRATION

LIST CLASS SESSION NUMBER AND BOOK FEE AMOUNTS

	Monday	Tuesday	Wednesday	Thursday	Friday
AM or All Day					
PM					
Book Fee	\$	\$	\$	\$	\$

TOTAL REGISTRATION FEES

I am attending all 5 days:	\$800 (early)	or	\$1000 (late, after 02/20/2015)	\$
I am attending less than 5 days :	\$200 per day (early)	or	\$250 per day (late, after 02/20/2015)	\$
Total Book Fees:				\$
PAYMENT OPTIONS				TOTAL: \$

Bill Me (Code Council Members only)	Member #:
Payment Enclosed (Checks payable to: International Code Council)	
Credit Card Payment: _____ Visa _____ Mastercard _____ American Express _____ Discover	
Card Number:	Exp. Date: / Signature: Date:

2015 TRADESHOW PARTNERS

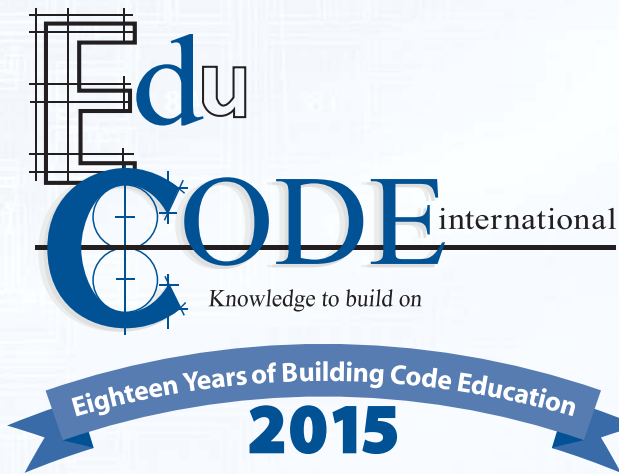


Come join us for a daily Expo raffle at 12:35!



**Student Appreciation Night
Tuesday, March 10, 2015
5:30 PM to 7:30 PM**





EduCODE International Conference & EXPO 2015

March 9 – 13, 2015

THE ORLEANS HOTEL | LAS VEGAS, NEVADA

www.iccsafe.org/training

1-888-ICC-SAFE (422-7233), ext. 33818

REGISTRATION CHECKLIST

- Contact the International Code Council at 1-888-422-7233, extension 33818 or online at www.iccsafe.org/training
- Best Value \$\$ — Full week Registration
- Deadline February 20, 2015

► Pre-Registered?

Go directly to the Registration Desk and pick up your registration packet.

► Late or On-Site Registration?

On-site registrants should go directly to the Registration Desk and register.

► Registration Hours

- 6:30 A.M. – 1:00 P.M.

► Full-Day Class Schedule (0.8 CEU)

- Classes start: 7:30 A.M.
- Lunch Break 1½-hour break
- Classes End 5:00 P.M.

► Half-Day Class Schedule (0.4 CEU)

- A.M. Classes 7:30 A.M. – 11:30 A.M.
- Lunch Break 1½-hour break
- P.M. Classes 1:00 P.M. – 5:00 P.M.

EduCODE Expo Raffle Prizes at 12:35 PM each day!!

HOTEL CHECKLIST

- Contact The Orleans Hotel at 1-800-675-3267 or www.orleanscasino.com/groups
- Use EduCODE Group Code **SEDUC03**
- Deadline February 6, 2015



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

www.snicc.org
www.educode.us