



RUTGERS
Continuing Studies

CENTER FOR GOVERNMENT SERVICES
Rutgers, The State University of New Jersey
Lifelong Learning Center
3 Rutgers Plaza
New Brunswick, NJ 08901

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CENTER FOR
GOVERNMENT SERVICES

Construction and Multiple Dwelling Code Enforcement Officials

Technical Assistants

Design Professionals

CONTINUING EDUCATION SEMINARS ||
SPRING 2020 SCHEDULE



RUTGERS
Continuing Studies

CONTINUING EDUCATION SEMINARS

The Center for Government Services (CGS) at Rutgers University assists the Division of Codes and Standards in the New Jersey Department of Community Affairs in offering more than 325 seminars required by law for Construction Code Enforcement Officials, Technical Assistants, and Multiple Dwelling Inspectors.

The mission of the Continuing Education Program is to further the professional development of code enforcement personnel by providing quality educational offerings through continuing education programs for licensed inspectors and their support staff. Together, our state and local governments are committed to protecting the health, safety, and welfare of all people throughout our communities to ensure that New Jersey continues to be a safe and desirable place to live.

HOW TO USE THIS BROCHURE

For your convenience, we have included a grid of the seminars organized by the course number. It indicates duplicate and reciprocal credits, as well as if the seminar is available online. Credit is applicable only to those areas marked in the grid or noted in the course description. If you are unsure of the credit available and its applicability to your license, please confirm with the DCA prior to registering. The table also contains the page number where you can find full seminar descriptions along with dates and locations. The course descriptions are organized alphabetically by the seminar name.

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REGISTRATION INFORMATION

The fall semester runs from September through December. The spring semester runs from March through June. You must complete your continuing education requirements during this time period. All continuing education requirements must be met within the regularly scheduled program.

Make sure you are selecting seminars that meet CEU requirements for your license.

Seminar Limits: Unless your license expires on January 31, you will be limited to either two seminars or one per subcode in which you hold a license (whichever is greater). This will give everyone an equal opportunity to register. If you are interested in registering for additional seminars, you should call one week before the seminar start date.

Unlicensed Registrants: Architects, engineers, builders, and other unlicensed interested parties may attend seminars for a fee of \$125 for one-day seminars and \$250 for two-day seminars. Those interested parties who wish to participate may call anytime after the third week of registration.

Registration Procedure:



1. Select a first and second choice from the seminars offered. In case your first choice is filled, you can register for your alternate selection. The DCA staff person responding to your email or phone call can answer questions about the fulfillment of your education requirement for the current licensing cycle.


2. Email the DCA Education Unit at education.unit@dca.nj.gov. Be sure you indicate your full name, your code enforcement license number, the course code, location and date of each seminar you have selected. Please note first and second choices. You will receive an emailed confirmation of your registration.

3. You may also call the DCA Education Unit at 609-984-7820 between the hours of 9:00 AM and 4:00 PM. Be sure to have the following information ready: your code enforcement license number, the course code, location and date of each seminar you have selected.

Confirmation: Confirmations are mailed approximately two weeks before the date of each seminar. If you have not received the confirmation one week prior to the seminar, call the Education Unit at 609-984-7820 to ensure that your name is on the roster. Walk-in registrations are not permitted.

Duplicate Credit: You have the option of receiving duplicate credit for certain seminars designated with a D prefix. At sign in, you will be asked to indicate whether or not you wish to receive duplicate credit.

Reciprocal Credit: *The Division of Fire Safety* will award reciprocal credit for those seminars marked with . In order to receive reciprocal credit, you must provide your Division of Fire Safety certification number at sign in. *The Board of Electrical Contractors* will award reciprocal credit for those seminars marked with . For some electrical seminars, the approval of the Board of Electrical Contractors is currently pending. Online GoToTraining electrical seminars are not approved by the Board for reciprocal credit. In order to receive reciprocal credit, you must provide a picture ID and your current contractor's license at sign in.

Online Seminars: Seminars marked with  are available online. Online GoToTraining seminars are identical in content and timing to our in-person training programs (5 hours, 0.5 CEUs). Registration for the full day seminars will begin at 8:00 AM; the seminar instruction will begin at 8:30 AM and conclude no later than 4:00 PM. Evening sessions are scheduled between 6:30 PM and 9:00 PM with registration starting at 6:00 PM. Be sure that you can allot that entire period of time to attend. **You MUST log into GoToTraining at least ½ hour prior to start.**

All seminars are conducted entirely over the internet. **You MUST have operating microphone and speakers** on your computer to receive credit (no telephone participants), as you will not only need the speakers to hear the presentation, but also will have the opportunity to ask questions of the instructor and have them answered live as with any of our other seminars. To register for the online seminars and for more information, please visit: <http://tiny.cc/UCCOnline>

Save the Date: Seminars marked with asterisks (*) will also be offered at the 2020 Building Safety Conference in Atlantic City on April 28, 29, 30 and May 1. Please plan your spring semester accordingly.

Special Inspector Certifications: Certified special inspectors should register only for specific seminars meeting the continuing education requirements for their area of certification. Courses applicable to and counting towards renewal of a Structural Welding and/or Steel Bolting special inspector certification are identified by “**SS**” as noted in the grid. Likewise, Structural Concrete and Masonry special inspector seminars can be identified by “**SC**,” EIFS special inspector courses will be noted as “**SE**,” and, finally, Spray-Applied Fireproofing special inspector courses are denoted by “**SF**” in the grid. They are also specifically identified in the course descriptions.

Cancellation Policy: If you are unable to attend a seminar for which you registered, you must call the Education Unit to cancel your reservation as soon as possible. Failure to inform of your cancellation may result in future registrations being restricted.

Digital/Electronic Devices: The use of cell phones is disruptive in seminars. Digital/electronic devices are permitted only if you are using them for class work.


Seminar Times: All seminars begin at 8:30 a.m. and conclude by 4 p.m. You must arrive before 9 a.m. in order to be admitted to the seminar. Students who miss a substantial portion of a seminar or who leave early, for any reason, will not receive credit. Please bring your seminar confirmation card and UCC/HMD licenses with you to the seminar.

Dress Code: All seminar participants should follow a business-casual dress code. Many of the conference facilities will not allow students wearing shorts and flip-flops on their premises. Violating a facility dress code may be cause for dismissal from the course.

ICC Preferred Provider Program: The DCA/RU educational program is now an approved preferred provider with the International Code Council (ICC). The goal of the program is to support our licensees and other interested parties who also maintain ICC certifications. The use of ICC or Preferred Provider training is required as a condition of all ICC certification renewals. Our participation in the program will mean that our courses will be approved to also meet the ICC certification renewal requirements. Program participants need not do anything different: our seminar completion certificates will include our provider number (1091) as well as the ICC course number associated with the approval. If you have any questions regarding the Preferred Provider Program, please visit iccsafe.org.

Directions: For directions to the seminars, please visit www.cgs.rutgers.edu/codeenforcement or <http://tiny.cc/dca-directions>

Please note that GPS and online maps might provide inaccurate directions. We strongly recommend that you visit one of the links above and follow the provided directions.

Seminar Title	Course Code	Online	Admin	Building	Electrical	Elevator	Fire Protection	Plumbing	Mechanical	Multiple Dwelling	Special Inspector	State Jurisdiction	Reciprocal with DFS	For details see page
Administrative Tool Kit for the UCC	A480		X										6	21
Statutory Duties of the Construction and Subcode Official	A587		X										6	45
Ordinary Maintenance, Minor Work/ Emergency Work and Responsibility - A Refresher	A714		X										6	41
Construction Board of Appeals	A720		X										6	25
The Code Official Playbook - 2020 Update • NEW*	A728		X										6	45
Ethics in Public Life • NEW*	A729		X										6	27
Homeowner Protection -A Code Enforcement Responsibility? • NEW	A731		X										6	31
Five Star Leadership Training- Leadership 2020 and Beyond • NEW	A732		X										6	29
The UCC Challenge. 2020 Edition • NEW	A733		X										6	47
UCC Administrative Review • NEW	A734		X										6	47
Verifying and Validating Resources - NJUCC and Manufacturer's Compliance Requirements	A735		X										6	48
Framing Inspection and Using a Checklist	B290			X										29
Installation and Inspection Issues with Structural Fasteners, Concrete Anchors, and Cold Form Steel Connectors	B823			X										34
2018 IRC Wood Wall Bracing Provisions • NEW	B827			X										20
Residential Construction in Coastal Areas • NEW	B828			X										44
Barrier Free 2020*	D009		X	X									6	22
Advanced Barrier Free 2020	D157		X	X									6	22
The Relationships of the Enforcing Regulations	D174		X				X			X			6	46
UCC Special Inspections Program Requirements	D179		X	X									6	47
The Hotel/Multiple Dwelling Code and UFC Retrofit Provisions	D185			X			X			X			6	46

Seminar Title	Course Code	Online	Admin	Building	Electrical	Elevator	Fire Protection	Plumbing	Mechanical	Multiple Dwelling	Special Inspector	State Jurisdiction	Reciprocal with DFS	For details see page
Elevator Safety Subcode Revisited	D222		X			X							6	26
Determining Means of Egress Compliance Using the 2018 NJ Edition of the IBC • NEW	D257			X			X						6	26
Navigating the UCC Rehab Code	D265		X	X									6	38
NFPA 20 - Fire Pumps - 2 day	D267				⚡		X						6	40
HVAC Duct Systems Inspections	D285			X			X	X	X				6	33
Introduction to Sprinkler Systems	D287						X			X			6	35
Fire/Smoke Damper Inspection in HVACR systems	D304			X			X		X				6	28
Welding Testing and Inspection. Non-destructive Testing Procedures. Practical Liquid Penetrant, Magnetic Particle and Ultrasonic Test.	D308			X							SS	R V		49
Introduction to Fire Alarm Systems	D309				⚡		X			X			6	34
Handling Water Damaged Electrical Equipment	D314				⚡							R		31
Permit and Inspections	D326		X		⚡								6	41
Plan Review Using the 2018 IBC*	D327			X			X						6	42
Plan Review Using the 2018 IRC	D328			X			X						6	42
Carbon Monoxide Detection Requirements in NJ	D329						X			X			6	23
2018 IBC Significant Changes	D334			X			X						6	17
2018 IMC Combustion Air and Venting*	D335			X			X	X	X			V	6	19
2018 IMC Design & Plan Review*	D336			X			X	X	X			V	6	19
2018 IRC Performing Residential Mechanical Inspections	D340			X			X	X	X			V	6	20
2018 IRC Significant Changes	D341			X			X						6	20
Common Plumbing Plan Review and Code Violations for Plumbing and Mechanical Systems	D346			X			X	X	X			V	6	24

Seminar Title	Course Code	Online	Admin	Building	Electrical	Elevator	Fire Protection	Plumbing	Mechanical	Multiple Dwelling	Special Inspector	State Jurisdiction	Reciprocal with DFS	For details see page
The Daily Functions of the Building Subcode Official	D347		X	X									6	46
H Use Group Buildings Using the 2018 NJ IBC • NEW	D361			X			X						6	30
Energy Code for UCC Subcodes 2020 Update • NEW*	D352			X	P			X	X					27
Watt's Up! - 2020 Update • NEW*	D354			X	P									49
NSPC Cross-Connection Control Administration for the Novice • NEW*	D355							X	X			V		40
1 and 2-Family Plumbing and Mechanical Inspection Code Compliance - New Construction Rehab • NEW*	D356							X	X			V		14
How to Calculate Height and Area using the IBC 2018 • NEW	D365			X			X						6	32
Special Provisions in Section 510 of the IBC 2018 Including Parking Above and Below • NEW	D358			X			X						6	45
Residential Sprinklers: Homes to High-Rise • NEW*	D359						X	X		X			6	44
Construction Blueprint Reading • NEW	D400		X							X			6	25
1705.17 Special Inspection of Firestop • NEW	D401			X			X						6	14
Common Firestop Issues • NEW*	D402			X			X			X			6	24
Firestop- Learn and Burn • NEW	D403			X			X						6	28
2018 IBC Inspection of Fire Resistance Rated Floors, Ceilings, Roofs and Walls • NEW	D405			X			X						6	16
2018 IBC Penetrations, Joints and Dampers • NEW	D406			X			X						6	16
2018 IBC/IFC Hazardous Materials Provisions • NEW	D407			X			X						6	17
2018 IECC Essentials and ASHRAE 90.1 • NEW	D408			X	P			X						17
2018 IFGC Design Installation and Inspection Principles • NEW	D409			X			X	X	X			V	6	18
2018 IMC Boilers and Hydronic Piping • NEW	D410							X	X			V		18
2018 IMC Exhaust Systems • NEW	D411			X			X	X	X			V	6	19

Seminar Title	Course Code	Online	Admin	Building	Electrical	Elevator	Fire Protection	Plumbing	Mechanical	Multiple Dwelling	Special Inspector	State Jurisdiction	Reciprocal with DFS	For details see page
Commercial Cooking in the I-Codes • NEW	D412			X			X		X				6	24
NFPA 13, NFPA 72 with IBC/ ASME 17.1 FEO, FSAE and OEO • NEW	D413				P	X	X			X			6	39
What's The Story? - 2018 IRC NJ Edition • NEW	D414			X			X						6	49
Mechanical Code Elements -UCC Compliance • NEW	D415			X	P		X	X	X			V	6	35
Residential Addition - 2020 Road Map • NEW	D416		X	X			X						6	43
Mechanical Inspections, Refrigeration and Manual J, S and D • NEW	D417							X	X			V		36
Metal Plate Connected Wood Trusses Construction and Fire Performance Characteristics • NEW	D418			X			X						6	36
IBC 2018 Fire and Smoke Barrier Compliance and Inspection • NEW	D419			X			X				SF		6	33
IBC 2018 Fire Proofing Compliance and Inspection • NEW	D420			X			X				SF		6	34
Basic Requirements for Electrical Installations	E300				⚡									23
Electrical Services: From Plan Review to Final Inspection	E302				⚡									26
NEC Rules on Transformers Installations and Inspection Requirements and the Basic Surge Protection	E303				⚡									39
2017 NEC Update/IAEI's Analysis of Changes	E306				⚡									15
NEC 2017 Wiring and Equipment Requirements in Floodplain Locations and Building to the Revised Flood Elevations	E309				⚡									38
2017 NEC/DCA Code Update - 2 day	E313				⚡									16
Understanding Your Responsibilities N.J.A.C. 5.23-3.4 • NEW	E314				P									48
Grounding and Bonding of Electrical Systems • NEW	E315				P									30
Mixed Bag 3 - Three Topics in 5 Hours • NEW*	E316				P									37
Arc Faults, Arc Flashes and Short Circuits • NEW	E317				P									22
Navigating the National Electric Code • NEW	E318				P									37

Seminar Title	Course Code	Online	Admin	Building	Electrical	Elevator	Fire Protection	Plumbing	Mechanical	Multiple Dwelling	Special Inspector	State Jurisdiction	Reciprocal with DFS	For details see page
One-Two family Dwelling Electrical Systems • NEW	E319				P									41
Fire Protection for High Piled Storage Occupancies	F594						X							27
Freeze Protection for Water-Based Fire Protection Systems	F595						X							30
Introduction to Special Hazard Fire Suppression Systems	F616						X							35
2016 NFPA 13 Update	F631						X							14
2016 NFPA 13 and 14 Updates for Sprinklers & Standpipes • NEW	F635						X							15
Fire Sprinkler Systems - Plan Review for AHJ's	F636						X							28
How to Use ASME A17.2 Guide for Inspection of Elevators, Escalators and Moving Walks. Inspection Methods.	L071					X								32
ASME A17.1 - 2016 Code Update • NEW	L072					X								22
Plastic Distribution & DWV Plumbing System Materials and Installations	P252							X						42
2018 National Standard Plumbing Code and ICC Code Change Update	P256							X						21
Hot Water Distribution Systems in Chapter 10 of the National Standard Plumbing Code (NSPC) • NEW	P258							X						32
National Standard Plumbing Code (NSPC) Workshop • NEW*	P259							X						37
Plumbing Barrier Free Code Requirements; New Projects as well as Rehabilitation Subcode Coordination and Refresher • NEW	P260							X						43

- The Board of Electrical Contractors will award reciprocal credit for this seminar
- P** Approval for reciprocal credit from the Board of Electrical Contractors is pending for this seminar
- The Division of Fire Safety will award reciprocal credit for this seminar
- SS** Structural Welding and/or Steel Bolting special inspector seminar
- SC** Structural Concrete and Masonry special inspector seminar
- SE** EIFS special inspector seminar
- SF** Spray-Applied Fireproofing special inspector seminar
- R** Amusement rides technical credit
- V** Boiler, pressure vessel and refrigeration technical credit

SPRING 2020 SEMINARS**D356 NEW****1 AND 2-FAMILY PLUMBING AND MECHANICAL INSPECTION CODE COMPLIANCE - NEW CONSTRUCTION REHAB*****Instructor: Fritz Reuss***Credit: plumbing, mechanical, boiler, pressure vessel and refrigeration*

This seminar identifies and documents NJUCC required inspections for 1 and 2-family new construction and renovation projects in accordance with the 2018 NSPC, 2018 IRC NJ Edition, 2018 IECC and 2018 IPSS. Specific “drill down” compliance involves responsibility breakout (NJUCC 3.4) Materials and Methods overview, rehabilitation code tie-in (repair, renovation, alteration and rehabilitation), Minor Work/ Ordinary Maintenance and code adherence (as applicable) for various scope of work projects. Real situations, examples and photos are evaluated for specific code compliance to ensure proper plumbing and mechanical code enforcement and compliance. Real inspection issues and solutions are discussed and analyzed. In addition, this seminar addresses General, Supplemental and New Element compliance requirements per the NJUCC Rehabilitation Code, as applicable. 0.5 CEU

Fri, May 15 - Clarion, Toms River

Thurs, June 18 - Middlesex Cty Fire Academy, Sayreville

D401 NEW**1705.17- SPECIAL INSPECTION OF FIRESTOP****Instructor: Halpert Life Safety Consulting***Credit: building, fire protection*

1705.17 of the IBC requires third party special inspection of firestop. This seminar discusses why this is required; how the inspector's role changes; when special inspection is required; when you may want to make it a requirement and how to do that; what special inspection covers and does NOT cover; what to expect from inspection reports; and what to expect from final reports to ensure everything conforms to IBC Ch. 17 and ASTM E2174 and ASTM E2393. 0.5 CEU

Tue, April 7 - Atlantic Cape Community College, Rutgers

Building Q, Mays Landing

Wed, May 6 - Holiday Inn, Budd Lake

F631**2016 NFPA 13, 13D, 13R UPDATE****Instructor: Dave Kurasz, NJ Fire Sprinkler Advisory Board***Credit: fire protection*

This seminar provides a review of the significant changes that were incorporated into the 2016 edition of NFPA 13 Standard

for the Installation of Sprinkler Systems. This seminar also explores some of the proposed revisions that were rejected by the technical committees, as rejected proposals often provide insight for understanding the technical committees' intent for the requirements found in the standard. 0.5 CEU

Tue, May 26 - Rutgers Continuing Education Center at Atrium, Somerset

F635 NEW**2016 NFPA 13 AND 14 UPDATES FOR SPRINKLERS & STANDPIPES****Instructor: Fire Smarts, LLC***Credit: fire protection*

This seminar provides a review of the significant changes that were incorporated into the 2016 edition of NFPA 13 Standard for the Installation of Sprinkler Systems. This seminar also reviews some of the proposed revisions that were rejected by the technical committees, as rejected proposals often provide insight for understanding the technical committees' intent for the requirements found in the standard. Standpipe and Hose Systems are a critical fire protection system designed for the use of trained fire department personnel. NFPA 14 Standard for the Installation of Standpipe and Hose Systems is used for the session. This seminar covers the types and classes of standpipes, design criteria, installation requirements, and acceptance testing. 0.5 CEU

Tue, May 12 - Fire-Rescue Station 221, Evesham

Wed, June 24 - Holiday Inn, Clark

E306**2017 NEC UPDATE/IAEI'S ANALYSIS OF CHANGES****Instructor: Keith Lofland, IAEI***Credit: electrical*

This seminar analyzes the major changes to the NEC. Members of the nineteen NEC Code-making panels contributed to the development of the authoritative text, which covers more than 250 of the most significant changes and includes interpretations by the group that enforces the NEC. The four-color book, which the seminar is based upon, offers plenty of illustrations, photos, and text that clearly identify and explain the changes and their impact. This program assists attendees in making more accurate, thorough, and safer installations and inspections of electrical systems. 0.5 CEU

Thurs, June 11 - Foundation for Educational Administration, Monroe

E313 ✎**2017 NEC/DCA CODE UPDATE - 2 DAY****Instructor: Tom Pernal Electrical Seminars, LLC***Credit: electrical*

This seminar provides participants with information about the most significant changes in the 2017 National Electrical Code. The presentation is based on the International Association of Electrical Inspectors' "Analysis of Changes". Modifications to the NEC as set forth by The State of NJ are covered as applicable. 1.0 CEU

Wed, June 24 & Thurs, June 25 - Executive Inn, Fairfield

D405 🕒 **NEW****2018 IBC INSPECTION OF FIRE-RESISTANCE- RATED FLOORS, CEILINGS, ROOFS AND WALLS****Instructor: International Code Council***Credit: building, fire protection*

This course focuses on the application of IBC Chapter 7 related to the construction and protection of rated horizontal assemblies and rated walls. The topics covered include differences between floor, floor/ceiling and roof/ceiling assemblies, as well as the protection requirements for penetrations, joint systems, ducts and air transfer openings in each of the separate elements. In addition, it discusses the test standards used to evaluate the assembly and protection systems and how those protection systems are limited or could be compromised if not installed as tested. 0.5 CEU

Tue, March 31 - RWJ Conference Center, Hamilton

Tue, June 9 - Morris Cty Public Safety Training Academy,
Parsippany

D406 🕒 **NEW****2018 IBC FIRESTOPPING, JOINT SYSTEMS AND DAMPERS****Instructor: International Code Council***Credit: building, fire protection*

This course discusses the details and requirements for dampers, penetration firestops and joint systems. It provides information on the concepts, testing, and installation and where each of the systems is required by the code. The IBC uses fire-resistive rated assemblies to protect the building's structural system, to separate adjacent spaces within the building that are not compatible, or to separate and protect adjacent buildings. In addition, the code uses smoke-resistant assemblies to limit the spread of smoke within a building and the dangers it would create for the occupants. Any opening

or penetration within the rated assemblies has the potential to reduce the assembly's performance. This course focuses on the protection provided by dampers, penetration firestops and joint systems to ensure the building and occupants are adequately protected. 0.5 CEU

Wed, April 1 - RWJ Conference Center, Hamilton

Wed, June 10 - Morris Cty Public Safety Training Academy,
Parsippany

D334 🕒**2018 IBC SIGNIFICANT CHANGES****Instructor: International Code Council***Credit: building, fire protection*

This seminar overviews the changes from the 2015 to the 2018 IBC. It identifies changes in organization and code requirements and the applicability of these requirements to design, plan review and inspection. 0.5 CEU

Fri, May 22 - Rutgers EcoComplex, Bordentown

D407 🕒 **NEW****2018 IFC AND IBC HAZARDOUS MATERIALS PROVISIONS****Instructor: International Code Council***Credit: building, fire protection*

This seminar addresses requirements for buildings utilizing hazardous materials and requiring coordination between the fire and building codes. It reviews the requirements found in Chapters 50 through 67 of the International Fire Code, as well as Chapter 3, and Sections 414 and 415 of the International Building Code. Participants will examine the application of code requirements in the 2018 IFC and the 2018 IBC to determine compliance for the storage use, handling and dispensing of hazardous materials. 0.5 CEU

Thurs, April 2 - RWJ Conference Center, Hamilton

Thurs, June 11 - Morris Cty Public Safety Training Academy,
Parsippany

D408 ✎ (pending) **NEW****2018 IECC ESSENTIALS WITH ASHRAE 90.1****Instructor: International Code Council***Credit: building, electrical, plumbing*

This seminar discusses the critical concepts of the 2018 International Energy Conservation Code and ASHRAE 90.1. These concepts provide a basis for the correct use of the code in the design, plan review, inspection, and analysis of projects. This seminar clarifies the requirements identified by the basic code provisions, tables and categorizations. Participants will

practice to apply the code in practical situations to build an understanding of the intent of the code when asked to make code compliance decisions. 0.5 CEU

Fri, April 3 - RWJ Conference Center, Hamilton

Fri, June 12 - Morris Cty Public Safety Training Academy,
Parsippany

D409 **NEW**

2018 IFGC DESIGN, INSTALLATION & INSPECTION PRINCIPLES

Instructor: International Code Council

Credit: building, fire protection, plumbing, mechanical, boiler, pressure vessel and refrigeration

This seminar addresses critical concepts of the 2018 International Fuel Gas Code. It provides a basis for the correct use of the code in the design, plan review, inspection, and analysis of projects. It clarifies the requirements identified by basic code provisions, tables and topics. Participants will practice to apply the code in practical situations to build an understanding of the intent of the code when asked to make code compliance decisions. 0.5 CEU

Tue, April 21 - Holiday Inn, Hasbrouck Heights

Thurs, May 21 - Rutgers EcoComplex, Bordentown

D410 **NEW**

2018 IMC BOILERS & HYDRONIC PIPING

Instructor: International Code Council

Credit: plumbing, mechanical, boiler, pressure vessel and refrigeration

This course reviews and analyzes selected requirements for boilers & hydronic piping systems. It summarizes the purpose and content and describes the intent and application of Boilers and Hydronic Piping sections within the 2018 IMC. In addition, it explains the application of Boilers and Hydronic Piping regarding the 2018 IMC through inspection, plan review and enforcement. The course provides participants with an understanding of key areas of the 2018 IMC and related standards regarding boilers & hydronic piping systems. 0.5 CEU

Wed, May 6 - Morris Cty Public Safety Training Academy,
Parsippany

Tue, May 12 - Clarion, Toms River

D335

2018 IMC COMBUSTION AIR AND VENTING*

Instructor: International Code Council

Credit: building, fire protection, plumbing, mechanical, boiler, pressure vessel and refrigeration

This seminar reviews and analyzes selected requirements for combustion air & venting systems. It summarize the purpose and content of combustion air and venting systems contained in the 2018 IMC and 2018 IFGC. In addition, this seminar describes the intent and application of combustion air and venting sections within the 2018 IMC and 2018 IFGC and explains the application of combustion air and venting sections within the 2018 IMC and 2018 IFGC through inspection, plan review and enforcement. 0.5 CEU

Wed, May 20 - Holiday Inn, Clinton

D336

2018 IMC DESIGN AND PLAN REVIEW*

Instructor: International Code Council

Credit: building, fire protection, plumbing, mechanical, boiler, pressure vessel and refrigeration

This seminar reviews and analyzes selected requirements for commercial design and plan review of mechanical systems. The seminar provides participants with a thorough understanding of key areas of the 2018 International Mechanical Code (IMC) and related standards. 0.5 CEU

Thurs, May 21 - Holiday Inn, Clinton

D411 **NEW**

2018 IMC EXHAUST SYSTEMS

Instructor: International Code Council

Credit: building, fire protection, plumbing, mechanical, boiler, pressure vessel and refrigeration

This course reviews and analyzes selected requirements for exhaust systems. It summarizes the purpose and content of exhaust systems contained in the 2018 IMC, as well as describes the intent and application of exhaust systems sections within the 2018 IMC. In addition, this course explains the application of exhaust systems within the 2018 IMC through inspection, plan review and enforcement. The course provides participants with an understanding of key areas of the 2018 International Mechanical Code and related standards regarding exhaust systems. 0.5 CEU

Thurs, May 7 - Morris Cty Public Safety Training Academy,
Parsippany

Fri, June 19 - Holiday Inn, Hasbrouck Heights

D340 **2018 IRC PERFORMING RESIDENTIAL MECHANICAL INSPECTIONS****Instructor: International Code Council***Credit: building, fire protection, plumbing, mechanical, boiler, pressure vessel and refrigeration*

This seminar focuses on the key changes from the 2018 International Residential Code (IRC). The details provided enhance participants' understanding of mechanical terminology, equipment, materials and methods of installation as related to residential construction. This seminar concentrates on the mechanical portion of the IRC along with the appropriate portions of the International Fuel Gas Code and the International Energy Conservation Code. It covers the minimum requirements for residential mechanical inspections. Participants will also discuss major portions of a residential plan. This seminar provides information necessary for the residential mechanical inspector to perform inspection tasks that are consistent with the requirements in the 2018 IRC. 0.5 CEU

Wed, June 3 - The Inn at Lambertville Station, Lambertville

D341 **2018 IRC SIGNIFICANT CHANGES****Instructor: International Code Council***Credit: building, fire protection*

This seminar reviews and analyzes selected significant changes from the 2015 IRC to the 2018 IRC. It familiarizes participants with many of the significant changes in the 2018 IRC and 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. 0.5 CEU

Thurs, April 9 - Rutgers EcoComplex, Bordentown

B827 NEW**2018 IRC WOOD WALL BRACING PROVISIONS****Instructor: International Code Council***Credit: building*

This seminar provides a comprehensive explanation of the 2018 International Residential Code Wood Wall bracing requirements. It focuses on basic requirements and clarify the application of wall bracing provisions in the IRC wall bracing

Sections R602.10 thru R602.12. Participants will practice to apply the provisions of the 2018 IRC to problems involving bracing requirements for wood-framed residential structures in their region. 0.5 CEU

Tue, April 7 - Holiday Inn, Clark

Wed, May 27 - Cumberland Cty College Conference and Events Center, Vineland

P256**2018 NATIONAL STANDARD PLUMBING CODE AND ICC CODE CHANGE UPDATE****Instructor: Fritz Reuss***Credit: plumbing*

All code changes to the 2018 National Standard Plumbing Code as compared to the 2015 NSPC are reviewed. In addition, applicable code changes within the 2018 International Mechanical Code and International Fuel Gas Code, for which the Plumbing Code Official is responsible, are also evaluated. The reason behind the change is presented to better understand the code change. 0.5 CEU

Wed, May 27 - Kean University, Science, Technology and Mathematics Building, Union

A480 **ADMINISTRATIVE TOOL KIT FOR THE UCC****Instructor: Richard Osworth***Credit: administrative*

In today's world, local officials are required to multi task and to do more with less. This seminar reviews current regulations and methodologies to assist the local official with establishing a comprehensive management tool kit. The specific tools are personnel management, cost analysis, staffing allocations, working within different organizations, interlocal cooperation, and conflict of interest and ethics. Seminar participants will build an organizational chart, develop job descriptions, conduct personnel evaluations, and evaluate staffing requirements for a medium sized local enforcing agency. The basic tools of these tasks will be presented and discussed with samples based on current laws and regulations. 0.5 CEU

Thurs, April 16 - Cumberland Cty College Conference and Events Center, Vineland

D157 **ADVANCED BARRIER FREE 2020****Instructor: Jack Boekhout Consulting, LLC***Credit: administrative, building*

Students will be made aware of some of the fine points of Barrier Free compliance. Students will have an opportunity to experience the problems associated with the operation of a wheelchair and crutches. The students will test the changes in level, maneuvering problems and compare them to the code text. Active participation in a wheelchair workshop is expected from all participants. 0.5 CEU

Tue, March 31 - Atlantic Cape Community College, Cape May Cty Campus, Cape May Court House

E317  (pending) **NEW****ARC FAULTS, ARC FLASHES & SHORT CIRCUITS****Instructor: Joe Bevacqua & Al Cox***Credit: electrical*

This seminar concentrates on discussing the various problems that can develop in electrical systems and equipment. Simple calculations are reviewed to determine the magnitude of these faults. Proper fuse and circuit breaker types, to provide maximum safety, is discussed. Arc flash boundaries and safety gear levels are also introduced. 0.5 CEU

Wed, May 6 - Middlesex Cty Fire Academy, Sayreville
Tue, June 2 - Fire-Rescue Station 221, Evesham

L072 **NEW****ASME A17.1 - 2016 CODE UPDATE****Instructor: NAESA International***Credit: elevator*

This seminar is a detailed study of the changes in 2013 to the 2016 A17.1 code. It discusses several changes regarding the safety of not only the public but also safety of elevator personnel. Some notable changes reviewed are in the areas of buffers, emergency power, hydraulic phase one and two operations, on-site documentation and seismic. 0.5 CEU

Wed, April 8 - Atlantic Cape Community College, Rutgers Building Q, Mays Landing

Fri, May 29 - Rutgers Continuing Education Center at Atrium, Somerset

D009  **BARRIER FREE 2020*****Instructor: Jack Boekhout Consulting, LLC***Credit: administrative, building*

ONE TIME mandatory requirement for Building Inspectors. This course reviews each of the amendments to the NJ Barrier Free Subcode, including the revisions to access requirements

for multi-family residences and the C.O.A.H. (now known as Low and Moderate Income Housing) requirements for townhouses. Provisions of the revised Barrier Free Subcode that provide compliance with Federal Americans with Disabilities Act regulations are also covered. Emphasis is placed on ensuring that code officials understand where their enforcement authority lies and also on showing where in Subchapter 7, IBC Chapter 11 and ICC/ANSI A117.1 standard the provisions and requirements of the Barrier Free Subcode can be found, including the Low and Moderate Income Housing rules. Please see page 2 for online class instructions. 0.5 CEU

Mon, June 8 - Online - Go To Training
Tue, June 9 - Clarion, Toms River

E300 **BASIC REQUIREMENTS FOR ELECTRICAL INSTALLATIONS****Instructor: Joe Bevacqua & Al Cox***Credit: electrical*

This seminar provides a clear understanding of basic requirements for electrical installations. Special attention is given to the requirements for general wiring and installation, panelboards, multiwire circuits, wiring devices, branch circuit, feeder and service calculations. These often overlooked areas are critical to a safe electrical installation. 0.5 CEU

Thurs, June 11 - Atlantic Cape Community College, Rutgers Building Q, Mays Landing

D329 **CARBON MONOXIDE DETECTION REQUIREMENTS IN NJ****Instructor: Fire Smarts, LLC***Credit: fire protection, hotel/multiple dwelling*

This seminar provides a comprehensive review of the requirements enacted involving carbon monoxide (CO) detection. It reviews the commercial and residential building code requirements for new and existing structures and discusses the initial acceptance testing requirements contained in the standards. The NFPA standards for CO detection is also covered including NFPA 72, NFPA 720 and building code requirements. 0.5 CEU

Thurs, June 4 - The Inn at Lambertville Station, Lambertville

D412  **NEW**

COMMERCIAL COOKING SYSTEMS IN THE I-CODES

Instructor: International Code Council

Credit: building, fire protection, mechanical

Commercial cooking operations that produce smoke and grease-laden vapors are high fire hazard risks. The ICC building, fire, mechanical and energy codes address these operations in a variety of ways to protect occupants and the building in which the operation occurs. This course provides participants with clear understanding of the ICC codes regulating commercial cooking exhaust hood systems. 0.5 CEU

Wed, April 22 - Holiday Inn, Hasbrouck Heights
 Wed, May 20 - Rutgers EcoComplex, Bordentown

D402  **NEW**

COMMON FIRESTOP ISSUES*

Instructor: Halpert Life Safety Consulting

Credit: building, fire protection, multiple dwelling

This seminar covers firestop general information, including testing firestop, firestop submittals, nomenclature, and finding the information. Common problems found on site, such as continuity of rating; type X vs type C drywall; grommets and brackets; microducts and innerduct; tight annular space on plastic pipes; use of non-compatible materials on CPVC pipes; and the liability all of this creates are discussed. 0.5 CEU

Thurs, April 2 - Ukrainian American Cultural Center of NJ,
 Whippany
 Thurs, May 7 - Ocean Cty Fire and EMS Training Center,
 Waretown

D346 

COMMON PLUMBING PLAN REVIEW AND CODE VIOLATIONS FOR PLUMBING AND MECHANICAL SYSTEMS

Instructor: Dan O’Gorman

Credit: building, fire protection, plumbing, mechanical, boiler, pressure vessel and refrigeration

This seminar will cover a variety of topics, such as common code violations for barrier free, roof drains (siphonic roof drainage), HVACR systems, mechanical systems, natural gas and propane, backflow prevention applications, new building products, grease interceptors, oil interceptors and commercial

kitchens. Participants can expect to receive information on the new Heating, Ventilation, Air Conditioning and Refrigeration (HVACR) Contactors License for residential and commercial projects. 0.5 CEU

Thurs, April 2 - Atlantic Cape Community College, Cape May
 Cty Campus, Cape May Court House
 Tue, May 5 - Morris Cty Public Safety Training Academy,
 Parsippany
 Tue, June 23 - Holiday Inn, Clark

D400  **NEW**

CONSTRUCTION BLUEPRINT READING

Instructor: James Foran

Credit: administrative, multiple dwelling

The reading of construction blueprints is a foundational skill in construction code enforcement. All construction professionals, regardless of whether they are working in the field or in the office, must know how to read blueprints. Blueprint reading requires practice and basic knowledge of blueprints. This course provides students with the foundational knowledge and practice at reading blueprints to get started. 0.5 CEU

Wed, April 8 - Holiday Inn, Clark
 Wed, June 3 - Atlantic Cape Community College, Cape May
 Cty Campus, Cape May Court House

A720 

CONSTRUCTION BOARD OF APPEALS - ADMINISTRATION AND IMPLEMENTATION

Instructor: Tom Pernal Electrical Seminars, LLC

Credit: administrative

This seminar is designed to inform all attendees of the structure, functions and administration of a County or Municipal Construction Board of Appeals. This seminar allows construction code officials gain the knowledge necessary to successfully appear before a CBA. This is a required course for the Board members who have not already taken this training and is useful refresher for standing Board members. This seminar is also beneficial for individuals who may wish to serve on a CBA or just gain some insight into the process. 0.5 CEU

Tue, April 14 - Somerset Cty Emergency Services Training
 Academy, Hillsborough

D257  **NEW****DETERMINING MEANS OF EGRESS COMPLIANCE USING THE 2018 NEW JERSEY EDITION OF THE INTERNATIONAL BUILDING CODE****Instructor: Jack Boekhout Consulting, LLC***Credit: building, fire protection*

This seminar covers egress requirements for various types of buildings and occupancies, using the 2018 NJ Edition of the International Building Code (IBC). Students will be provided with the additional egress requirements in occupancies with more difficulty, such as increased occupant loads, low lighting, and/or hazardous situations. The Accessible Means of Egress requirements are also covered. 0.5 CEU

Tue, April 7 - Rutgers EcoComplex, Bordentown

Tue, June 16 - Holiday Inn, Clinton

E302 **ELECTRICAL SERVICES: FROM PLAN REVIEW TO FINAL INSPECTION****Instructor: Constantinos Papademas LLC***Credit: electrical*

This seminar is designed to enhance participants' knowledge of plan review using a checklist. It covers the NEC 2014 requirements, as well as the updated changes of the NEC 2017 for small and large services. The NEC article 230 provides the requirements to supply power to a structure. Fixing code violations after installing electrical services and equipment is often very costly. This course reviews the requirements and the updated changes of NEC 2014 and NEC 2017 as they relate to services and service equipment. 0.5 CEU

Fri, May 15 - Rutgers Continuing Education Center at Atrium, Somerset

D222 **ELEVATOR SAFETY SUBCODE REVISITED****Instructor: Richard Osworth***Credit: administrative, elevator*

The Elevator Subcode inspection program was changed on July 3, 2017 with the elimination of the six month routine inspection being performed by a government inspector. The change is just one of many that have occurred since the subcode was first implemented in 1992. The program has evolved from ad hoc enforcement to a comprehensive on-going inspection program. This seminar is a refresher course on the principals and practices of the elevator safety program and changes that have been implemented including the new elevator mechanic licensing law. 0.5 CEU

Fri, May 15 - Executive Inn, Fairfield

Fri, May 22 - Fire Department Station 3-2, Wildwood

D352  (pending) **NEW****ENERGY CODE FOR UCC SUBCODES 2020 UPDATE*****Instructor: Dennis Pino, Nick Fabiano, Fritz Reuss***Credit: building, electrical, plumbing, mechanical*

This seminar is a definitive breakdown of R-5 single-family energy code elements in the 2018 IRC. It is designed to promote positive change and provide a complete overview of energy efficiency elements with a detailed focus on assigned subcode responsibilities for both plan review and inspection. From permit application to certificate issuance, this seminar busts the myths, challenges misconceptions and provides facts. Included are permit and construction plan elements, compliance documentation, energy codes, code change, and an overview of the rehabilitation subcode energy elements. 0.5 CEU

Fri, June 12 - Clarion, Toms River

A729  **NEW****ETHICS IN PUBLIC LIFE*****Instructor: International Code Council***Credit: administrative*

This seminar presents the historical development of ethical theory and its practical application for building officials. The consequences of poor ethical decisions are discussed and participants will have an opportunity to develop a personal code of ethics they can use to inform their behavior when confronting ethical problems. The participant will be able to describe the background of ethical theories and practices necessary for code officials to use as a framework to support ethical behavior. 0.5 CEU

Thurs, April 23 - Holiday Inn, Hasbrouck Heights

Tue, May 26 - Bergen Cty Law and Public Safety Institute, Mahwah

F594  **FIRE PROTECTION FOR HIGH PILED STORAGE OCCUPANCIES****Instructor: Fire Smarts, LLC***Credit: fire protection*

High piled storage is one of the most challenging fire protection scenarios. This seminar is based on the provisions of both the International Fire Code, Chapter 32 and NFPA 13 Standard for the Installation of Sprinkler Systems and reviews the key decision points to determine the appropriate fire protection requirements for high piled storage applications. Utilizing an interactive teaching methods, this seminar follows the path that an engineer, designer, or AHJ uses when evaluating high piled storage. The foundational questions of "What is high

piled storage?," "How does commodity classification impact the definition of high piled storage?," "What triggers specific fire protection requirements for high piled storage?," and "How is high piled storage fire protection provided?" are reviewed in detail. 0.5 CEU

Mon, April 13 - Online - Go To Training

F636
FIRE SPRINKLER SYSTEMS - PLAN REVIEW FOR AHJ'S

Instructor: Fire Smarts, LLC

Credit: fire protection

The approval of fire sprinkler systems includes a review of the design documents and an onsite verification of the completed system. This seminar takes attendees through a step-by-step review of fire sprinkler working drawings and the accompanying hydraulic calculations. This seminar utilizes the requirements found in the 2013 edition of NFPA 13 Standard for the Installation of Sprinkler Systems. Attendees will work with an actual fire sprinkler working plan and the accompanying hydraulic calculations. 0.5 CEU

Thurs, April 9 - Holiday Inn, Clark

D304
FIRE/SMOKE DAMPER INSPECTION IN HVAC SYSTEMS

Instructor: Sheet Metal Workers Local 22, David Castner

Credit: building, fire protection, mechanical

The purpose of this seminar is to provide the considerations for installing, inspecting, and maintaining fire dampers, smoke dampers, and combination fire/smoke dampers and ceiling dampers in HVAC systems in new and existing buildings. Also, the relevant building code requirements in the context of effective operation for property protection, life safety requirements, and building design and performance are covered. 0.5 CEU

Thurs, May 21 - Fire Department Station 3-2, Wildwood

Wed, June 17 - Holiday Inn, Hasbrouck Heights

D403 **NEW**
FIRESTOP- LEARN AND BURN

Instructor: Halpert Life Safety Consulting

Credit: building, fire protection

This seminar discusses how firestop rated joints and through penetrations are tested and the critical performance points that can impact passing or failing a burn test. A brief review of

a firestop submittal and a talk about key points is included. An inspection of a sample installation is conducted and students will witness an ASTM E814 fire test and see what inspections passed and which failed. 0.5 CEU

Wed, May 13 - STI, Somerville

A732 **NEW**
FIVE STAR LEADERSHIP TRAINING- LEADERSHIP 2020 AND BEYOND

Instructor: Richard Perlman

Credit: administrative

This seminar is custom tailored for today's and tomorrow's leaders. Participants can learn fresh concepts from success proven principles: how forward thinking, innovation, technology and vision inspires and promotes growth in your team members. A strong team is only as strong as its leader. Come and learn through challenging lecture, stimulating open discussion and thought provoking video. 0.5 CEU

Wed, April 15 - Cumberland Cty College Conference and Events Center, Vineland

Thurs, June 25 - Holiday Inn, Clark

B290
FRAMING INSPECTIONS - USING A CHECKLIST

Instructor: James Foran

Credit: building

ONE TIME mandatory requirement for Building Inspectors. This seminar provides the information necessary for a code enforcer to properly understand and use the Framing Checklist prepared by DCA. The student will learn proper techniques for framing with traditional and engineered wood products. Standards referenced in the UCC are reviewed and their application is illustrated. Special attention is given to engineered wood products. Particular areas of emphasis include wood installation requirements unique to wood I-Joists as well as proper installation and bracing of trusses in floors and roofs. 0.5 CEU

Fri, April 17 - NJ Sports & Exposition Authority, Environment Center, Lyndhurst

Fri, June 5 - Atlantic Cape Community College, Cape May Cty Campus, Cape May Court House

F595  **FREEZE PROTECTION FOR WATER-BASED FIRE PROTECTION SYSTEMS****Instructor: Fire Smarts, LLC***Credit: fire protection*

This course covers the NFPA standards requiring water-based fire protection systems to be protected against freezing. It examines the conditions that trigger mandatory freeze protection, along with the approved options for meeting the requirement. The design limitations and economic impact of using dry pipe systems, preaction systems, insulation, heat tracing, antifreeze solutions, and other potential protection methods are examined. Participants will learn to identify and apply the items needed to be considered when making a choice on how best to provide adequate protection. Attendees will also examine the consequences of inadequate freeze protection versus the building owners need for dependable and cost-effective fire protection. 0.5 CEU

Mon, June 22 - Online - Go To Training

E315  (pending) **NEW****GROUNDING AND BONDING OF ELECTRICAL SYSTEMS****Instructor: Constantinos Papademas, LLC***Credit: electrical*

This seminar highlights one of the most important but least understood articles in the National Electric Code - grounding and bonding. Simply put, proper grounding and bonding protects individuals from electric shock, and plants and equipment from heat and fire. This seminar takes a deep dive into this topic and is aimed at reducing those risks. Additionally, proper grounding of equipment could help answer any power quality issues you may be experiencing. 0.5 CEU

Wed, April 1 - Ukrainian American Cultural Center of NJ,
Whippany

Tue, May 19 - Fire Department Station 3-2, Wildwood

D361  **NEW****H USE BUILDINGS FOR THE BUILDING INSPECTOR USING THE 2018 NJ IBC****Instructor: Jack Boekhout Consulting, LLC***Credit: building, fire protection*

This seminar discusses the differences between buildings of other use groups and the H Use Group, including any changes in the 2018 NJ Edition of the IBC. The seminar reviews the exempt quantities of hazardous materials that are allowed in other use groups and when it is necessary to classify the building as an H use group building. Grade plane is explained

along with the control areas on various story levels. H Use group specific code requirement discussed will include, but are not limited to, exit access travel distance, exits, fire separation and ratings. H uses in unlimited area buildings are also covered. 0.5 CEU

Wed, April 8 - Rutgers EcoComplex, Bordentown

Wed, June 17 - Holiday Inn, Clinton

D314 **HANDLING WATER DAMAGED ELECTRICAL EQUIPMENT****Instructor: Stephen Norako***Credit: electrical, amusement rides*

This course covers the administration and enforcement activities as per N.J.A.C. 5:23-3.16 Electrical subcode (National Electrical Code 2017). From residential areas to heavy-duty industrial facilities, electrical equipment damage caused by water, both fresh and salt, is of major concern. If not properly identified and addressed, the use of electrical equipment and wiring exposed to water can result in fire, explosion and even death. The participant will review the major industry resources concerns and recommended remediation of water damage to various types of electrical equipment. 0.5 CEU

Tue, May 12 - Rutgers Continuing Education Center at Atrium,
Somerset

Wed, June 24 - Fire-Rescue Station 221, Evesham

A731  **NEW****HOMEOWNER PROTECTION -A CODE ENFORCEMENT RESPONSIBILITY?****Instructor: Richard Osworth***Credit: administrative*

This seminar combines various programs and responsibilities of the Construction Code Official to enforce the UCC while respecting and acknowledging the rights of the homeowner. Students will focus on the residential homeowner rights. This seminar also reviews the New Home Warranty and Home Improvement Contractor Registration programs in relationship to the code officials' duties and to the legal rights of the homeowner. In the process, the decisions of the New Jersey Supreme Court, that affirmed the authority of the municipality to enforce the Notice of Violation against a developer after the Certificate of Occupancy is issued, is presented so that code officials understand the courts position as to their enforcement authority under the Uniform Construction Code Act. 0.5 CEU

Tue, April 14 - Cumberland Cty College Conference and
Events Center, VinelandWed, May 27 - Rutgers Continuing Education Center at Atrium,
Somerset

P258 NEW
HOT WATER DISTRIBUTION SYSTEMS IN CHAPTER
10 OF THE NATIONAL STANDARD PLUMBING CODE
(NSPC)

Instructor: IAPMO

Credit: plumbing

This training focuses on the Hot Water Distribution Systems found in Chapter 10 of the NSPC discussing when hot water distribution systems are part of the repair or installation project. Hot water can cause severe injury or even death. This presentation covers the provisions in the 2018 NSPC regarding hot water, water mixing valves, hot water heaters, emergency fixtures and more. 0.5 CEU

Fri, April 17 - Cumberland Cty College Conference and Events Center, Vineland

Fri, May 29 - Bergen Cty Law and Public Safety Institute, Mahwah

D365 NEW
HOW TO CALCULATE HEIGHT AND AREA USING THE
IBC 2018

Instructor: Jack Boekhout Consulting, LLC

Credit: building, fire protection

The method for determining allowable building size changed extensively in the 2015 codes and continues in the 2018 IBC. Table 503 used for years has been replaced. Students will review the requirements for all Use Groups, then move on to Construction Types and review how to adjust the allowable size of structures using all of the information from tables 504, 506, 601 and 602 with adjustments available. Practice problems and practical solutions are offered. 0.5 CEU

Tue, May 26 - Cumberland Cty College Conference and Events Center, Vineland

Tue, June 23 - Executive Inn, Fairfield

L071
HOW TO USE ASME A17.2 GUIDE FOR INSPECTION
OF ELEVATORS, ESCALATORS AND MOVING WALKS.
INSPECTION METHODS.

Instructor: NAESA

Credit: elevator

This seminar presents key components of the ASME A17.2 guide. Topics include format, function and layout of the book, a comprehensive review of the eleven parts of the guide, overview of the eight appendices, and links to ASME A17.1. Additional topics to be discussed include a review of the Quality Elevator Inspector code (QEI-1), an overview of the

types of inspections (acceptance, periodic tests, periodic inspections and accident investigation), and the inspection process. A review of Authority Having Jurisdiction (AHJ) expectations, reporting, and writing citations are reviewed using practice scenarios. 0.5 CEU

Thurs, April 16 - NJ Sports & Exposition Authority, Environment Center, Lyndhurst

Thurs, May 14 - Executive Inn, Fairfield

D285
HVAC DUCT SYSTEM INSPECTIONS
Instructor: Sheet Metal Workers Local 22, David Castner

Credit: building, fire protection, plumbing, mechanical

This seminar utilizes materials developed by the International Training Institute and SMACNA Standards for the fabrication and installation of HVAC system components. The purpose of the presentation is to familiarize building inspectors with proper methods of inspecting HVAC systems, which is critical to the safety, health and comfort of the general public. The basic science of heating, ventilating and air conditioning systems is covered, including the principals of airflow as it relates to duct design. 0.5 CEU

Fri, May 8 - Morris Cty Public Safety Training Academy, Parsippany

D419 NEW
IBC 2018 FIRE AND SMOKE BARRIER COMPLIANCE
AND INSPECTION

Instructor: Sinisi Associates LLC

Credit: building, fire protection, special inspector (spray-applied fireproofing)

This seminar reviews updated IBC 2018 on Fire and Smoke Barrier Inspection and is designed for the municipal, NJ state and special inspector that is responsible for fire barrier integrity and enforcement. The program incorporates a mix of education on fire dampers, fire doors, fire stops, draft stops and fire rated wall and floor construction inspection. This seminar provides highlights and photos of condominium fire barriers and draft stops, fire barriers for boiler rooms and fuel storage and all components that make up fire and smoke barriers in buildings and facilities. Additional attention and examples for long term care facilities, dormitory, apartments and multi-dwelling unit buildings are part of the program as well as transformer barriers and plan review. 0.5 CEU

Thurs, May 28 - Kean University, Science, Technology and Mathematics Building, Union

Thurs, June 4 - Atlantic Cape Community College, Cape May Cty Campus, Cape May Court House

D420 **NEW** IBC 2018 FIRE PROOFING COMPLIANCE AND INSPECTION

Instructor: Sinisi Associates LLC

Credit: building, fire protection, special inspector (spray-applied fireproofing)

This seminar provides updates on inspection requirements, special inspections, “how to inspect” instruction and responsibilities for fireproofing in the new codes. This seminar is valuable for all sub code officials, construction inspectors and fire professionals, as well as architects and engineers involved in life safety performance of buildings and safe firefighting techniques. This interactive seminar provides the opportunity to review job photos and discuss several case studies of work done in New Jersey. 0.5 CEU

Thurs, May 14 - Fire-Rescue Station 221, Evesham

B823 INSTALLATION AND INSPECTION ISSUES WITH STRUCTURAL FASTENERS, CONCRETE ANCHORS, AND COLD FORM STEEL CONNECTORS

Instructor: Simpson Strong-Tie

Credit: building

This seminar includes visual and hands on instruction on the proper selection and installation of cold form steel, concrete anchors, and structural fasteners. With the increase of multi-family and multi-use construction, the use of these products has increased dramatically. Participants can expect to learn what the proper method of installation is for these important components of a safe and efficient structure. 0.5 CEU

Fri, May 15 - Fire-Rescue Station 221, Evesham

D309 **NEW** INTRODUCTION TO FIRE ALARM SYSTEMS

Instructor: Fire Smarts, LLC

Credit: electrical, fire protection, hotel/multiple dwelling

This seminar covers fire alarm system basics based on NFPA 72 National Fire Alarm and Signaling Code. An overview of fire alarm system components is provided starting with the fire alarm control panel and power supplies. Fire alarm initiating devices are discussed including smoke detectors, duct detectors, heat detectors, pull stations, tamper switches and water-flow switches. Fire alarm notification devices such as horns and strobes are also discussed along with a review of the fundamental requirements that apply to most fire alarm systems. The basics of fire alarm system design and items required for plan review are also covered. 0.5 CEU

Wed, June 10 - Atlantic Cape Community College, Rutgers Building Q, Mays Landing

F616 INTRODUCTION TO SPECIAL HAZARD FIRE SUPPRESSION SYSTEMS

Instructor: Fire Smarts, LLC

Credit: fire protection

This seminar introduces participants to water and non-water based fire suppression systems, which are used as an option to standard sprinkler systems or where sprinkler systems are ineffective with the hazard. These systems include water-mist (NFPA 750), clean agents (NFPA 2001), high expansion foam (NFPA 11), and CO2 (NFPA 12). Participants will receive an overview of how the systems work, the appropriate hazards, basic design criteria, and the advantages and disadvantages for each type of system. Please see page 2 for online class instructions. 0.5 CEU

Mon, May 11 - Online - Go To Training

D287 INTRODUCTION TO SPRINKLER SYSTEMS

Instructor: Fire Smarts, LLC

Credit: fire protection, hotel/multiple dwelling

This seminar is a high level overview on fire sprinkler systems, its history and objectives. The three required components for a sprinkler to function are examined: automatic sprinkler; water supply, and the connection (piping) between the two. In addition, this seminar covers the four major types of sprinkler systems and the associated components. Basic installation requirements are reviewed along with system acceptance. 0.5 CEU

Fri, June 5 - The Inn at Lambertville Station, Lambertville

D415 (pending) **NEW** MECHANICAL CODE ELEMENTS -UCC COMPLIANCE

Instructor: Dennis Pino, Nick Fabiano, Fritz Reuss

Credit: building, electrical, fire protection, plumbing, mechanical, boiler, pressure vessel and refrigeration

The seminar discusses the UCC permitting and code compliance protocol for various mechanical, plumbing and HVAC “Work Types” within 1-2 family dwellings, multi-family dwellings and commercial projects. To ensure consistency and uniformity, the students will review, evaluate and master “work type” code compliance and permit document submission requirements to enhance plan review and inspection techniques. A guidance matrix is provided for the typical “work types” encountered within all construction code offices (e.g. water heaters, HVAC systems, boilers, chimneys/vents).

The “work type” matrix identifies specific submittal and code compliance requirements for replacement (Rehabilitation Subcode) as well as new systems and/or equipment installations. 0.5 CEU

Fri, May 8 - Holiday Inn, Budd Lake

Wed, June 3 - Fire-Rescue Station 221, Evesham

D417 NEW
MECHANICAL INSPECTIONS, REFRIGERATION AND
MANUAL J, S AND D

Instructor: Kenneth Rogers

Credit: plumbing, mechanical, boiler, pressure vessel and refrigeration

This seminar discusses manual J, S and D and how it relates to the plan review process including all IRC references to these calculations. A review of basic inspection requirements for residential mechanical inspections as they relate to HVAC systems including common inspection failures is presented. This seminar includes a review of IMC chapter 11 on Refrigeration to include plan review and inspection responsibilities. 0.5 CEU

Fri, April 3 - Atlantic Cape Community College, Cape May Cty
 Campus, Cape May Court House

Wed, May 27 - Bergen Cty Law and Public Safety Institute,
 Mahwah

D418 NEW
METAL PLATE CONNECTED WOOD TRUSSES
CONSTRUCTION AND FIRE PERFORMANCE
CHARACTERISTICS

Instructor: SBCA

Credit: building, fire protection

This seminar session provides attendees with the tools to understand the key responsibilities of all parties involved in the structural framing process, from delivery of the trusses through the code mandated framing inspections. It acquaints attendees with various applications of trusses, repair procedures and correct installation processes. Performance of light weight construction under fire conditions is explored along with information on relevant fire tests conducted following ASTM standards. 0.5 CEU

Wed, May 13 - Executive Inn, Fairfield

Thurs, June 25 - Fire-Rescue Station 221, Evesham

E316 (pending) NEW
MIXED BAG 3 - THREE TOPICS IN 5 HOURS*
Instructor: Tom Pernal Electrical Seminars, LLC

Credit: electrical

This seminar is a compilation of three topics: IAEI motors – chapters 2 through 5; installation parameters for common wiring methods; and DCA adoptions to the 2017 NEC. These topics are useful for the purposes of installation, plan-review and inspection of a variety of occupancies. 0.5 CEU

Wed, April 15 - Online - Go To Training

P259 NEW
NATIONAL STANDARD PLUMBING CODE (NSPC)
WORKSHOP*

Instructor: IAPMO

Credit: plumbing

Apply your code knowledge and expertise in this dynamic, hands-on workshop. Attendees will examine drawings of plumbing systems and installations for code violations in a cooperative and collaborative environment with their peers. Each drawing is designed to challenge attendees on parts of the code that are frequently misunderstood or in frequent violation. Attendees will work in groups during the workshop exercise and their findings, as well as those presented by the instructor, will be shared with the rest of the attendees for a robust learning experience. 0.5 CEU

Wed, April 22 - Brookdale Community College, Western
 Monmouth Building, Freehold

Tue, June 16 - Holiday Inn, Hasbrouck Heights

E318 (pending) NEW
NAVIGATING THE NATIONAL ELECTRIC CODE
Instructor: Richard Paredes

Credit: electrical

This seminar provides an overview of the National Electrical Code (NEC). It covers the development, layout, nomenclature and intent of the code. It also discusses how to apply NJ state addendums and rehabilitation sub codes. The course outlines methods for evaluating individual code violations in order to identify all areas of the code related to those violations. Additionally, students will discuss simple techniques for efficiently navigating the code including how to customize the table of contents, highlight frequently cited sections and utilize cross reference tables. 0.5 CEU

Thurs, April 9 - Atlantic Cape Community College, Rutgers
 Building Q, Mays Landing

Thurs, May 28 - Rutgers Continuing Education Center at
 Atrium, Somerset

D265 🔥**NAVIGATING THE UCC REHAB SUBCODE****Instructor: John Daniels***Credit: administrative, building*

This seminar reviews all types of rehab work and is designed to enhance the participant's existing knowledge and understanding of the rehab subcode. Participants will use actual projects to develop a methodical approach to navigating the rehab subcode and ensuring proper enforcement. The sections of the referenced codes that are applicable are also discussed. Participants should bring a current UCC administrative book to the seminar. 0.5 CEU

Wed, April 1 - Atlantic Cape Community College, Cape May
Cty Campus, Cape May Court House
Thurs, May 28 - Bergen Cty Law and Public Safety Institute,
Mahwah

E309 ⚡**NEC 2017 WIRING AND EQUIPMENT REQUIREMENTS IN FLOODPLAIN LOCATIONS AND BUILDING TO THE REVISED FLOOD ELEVATIONS****Instructor: Stephen Norako***Credit: electrical*

Severe flooding along coastal, river and lake regions have brought about floodplain changes that affect building construction in New Jersey. Participants will learn the requirements which affect new structures including subsequent work and substantial repair or improvement of existing structures that are not historic structures. The seminar also covers the different flood hazard categories and their requirements for materials, electrical wiring and electrical equipment, flood proofing, utilities, building access and miscellaneous construction. The goal of the seminar is to assist the electrical inspectors with providing guidance to building owners with the requirements for repair and construction. 0.5 CEU

Wed, May 13 - Rutgers Continuing Education Center at Atrium,
Somerset
Tue, June 23 - Fire-Rescue Station 221, Evesham

E303 ⚡**NEC RULES ON TRANSFORMERS INSTALLATIONS AND INSPECTION REQUIREMENTS AND THE BASIC SURGE PROTECTION****Instructor: Constantinos Papademas LLC***Credit: electrical*

This seminar discusses the use of transformers in electrical distribution systems. It covers the installation, protection (primary and secondary), and grounding of transformers with a specific emphasis on answering common questions and explaining specific articles and tables in NEC Article 450. The topic of separately derived systems and the effect on transformer design and installation is also addressed. In addition, participants will review general requirements, installation requirements, and connection requirements for Surge Protection Devices (SPDs) on electrical distribution systems. The basics of surge protection theory is presented to give the student an increased understanding of applying proper surge protection on the electrical distribution system. 0.5 CEU

Fri, June 5 - Fire-Rescue Station 221, Evesham

D413 🔥 **NEW****NFPA 13, NFPA 72 WITH IBC/ ASME 17.1 FEO, FSAE AND OEO****Instructor: NAESA International***Credit: fire protection, electrical, elevator, hotel/multiple dwelling*

This seminar takes attendee through a brief history of NFPA 13 and 72. It offers an in-depth study of the NFPA's as they refer to ASME A17.1 including installation and maintenance requirements of sprinklers and alarm initiating devices for elevators and escalators. Students will be offered scenarios to better understand the history, installation, and maintenance requirements stemming from the 1980s until current. In addition, this seminar introduces a brief history of FEO, FSAE, and OEO; looks at IBC and how it interacts with FEO, FSAE, and OEO; and provides a review of the acceptance and category one test for FEO on a typical elevator. 0.5 CEU

Fri, May 8 - Ocean Cty Fire and EMS Training Center,
Waretown
Tue, June 16 - Middlesex Cty Fire Academy, Sayreville

D267  **NFPA 20 - FIRE PUMPS (2-DAY)****Instructor: Fire Smarts, LLC***Credit: fire protection, electrical*

This two day seminar provides a detailed review of the design, installation, and acceptance testing of stationary fire pumps. The seminar begins with a review of basic pump principles including laminar and balanced flow along with basic hydraulic principles. The difference between centrifugal and positive displacement pumps is examined. The attendees will learn about the various types of centrifugal fire pumps and how each are best applied. The performance requirements, selection and sizing of pumps is discussed, with hands-on activities to give experience in choosing the most cost effective fire pump. Installation requirements are thoroughly reviewed with illustrations of acceptable and unacceptable layouts. The purpose of pressure maintenance (jockey) pumps is thoroughly examined, including methods for choosing the correct capacity. The requirement for motor drivers, engine drivers, and their controllers is also examined. Finally, the seminar examines the requirements for acceptance testing and the required documentation for an approved fire pump installation. 1.0 CEU

Wed, April 22 & Thurs, April 23 - Fire Department Station 3-2,
Wildwood

D355 **NEW****NSPC CROSS-CONNECTION CONTROL
ADMINISTRATION FOR THE NOVICE*****Instructor: IAPMO***Credit: plumbing, mechanical, boiler, pressure vessel and
refrigeration*

Cross-connection control provides assurances that the public drinking water supply does not become contaminated by chemicals and other contaminants that will cause illness or death. Students will learn what governs this important aspect of the plumbing industry and formulate a plan to prevent cross-connection. 0.5 CEU

Thurs, April 23 - Brookdale Community College, Western
Monmouth Building, Freehold

Thurs, June 18 - Holiday Inn, Clinton

E319  (pending)  **NEW****ONE-TWO FAMILY DWELLING ELECTRICAL SYSTEMS****Instructor: Tom Pernal Electrical Seminars, LLC***Credit: electrical*

This seminar provides inspectors with the knowledge to perform plan review and inspection in one- & two- family dwellings. Select chapters from the IAEE One- & Two-Family Dwelling Electrical Systems are covered to be of particular use for inspectors with licenses in multiple disciplines. 0.5 CEU

Fri, April 17 - Somerset Cty Emergency Services Training
Academy, Hillsborough

Mon, June 29 - Online - Go To Training

A714 **ORDINARY MAINTENANCE, MINOR WORK/
EMERGENCY WORK AND RESPONSIBILITY - A
REFRESHER****Instructor: Fritz Reuss***Credit: administrative*

With the recent changes to the NJ Uniform Construction Code requirements for the ordinary maintenance, minor and emergency work compliance and responsibility, this seminar enables code officials, as well as the technical assistants to determine if a construction permit is required, as well as to obtain full knowledge as to when and where to apply minor and emergency work procedures. Discussion on responsibility requirements in accordance with the NJUCC provides participants with understanding of their associated role during plan review and inspection for various code compliance chapters/sections. 0.5 CEU

Fri, June 5 - Brookdale Community College, Western
Monmouth Building, Freehold

D326  **PERMIT AND INSPECTIONS****Instructor: Joe Bevacqua & Al Cox***Credit: administrative, electrical*

This seminar provides a clear understanding of inspection & construction permit requirements as referenced in NJAC 5:23 (The Uniform Construction Code). Participants will examine construction permit application procedures, the required forms, prior approvals, local zoning requirements, site diagrams, electrical permit & specifications. This seminar reviews exempt work by license contractors and class III structure classifications. 0.5 CEU

Fri, June 19 - Middlesex Cty Fire Academy, Sayreville

D327 **PLAN REVIEW USING THE 2018 IBC*****Instructor: Jack Boekhout Consulting, LLC***Credit: building, fire protection*

A building inspector's job encompasses a variety of duties, including plan review, inspection and working with the public. One of the most important parts of the job is plan review. This seminar incorporates elements of plan review, as well as provides suggestions and charts to improve the plan review process. Additional code compliance explanations regarding changes in the 2018 IBC height and computations, grade plane, etc. are covered. A plan review checklist is provided. 0.5 CEU

Wed, June 10 - Clarion, Toms River

D328  **PLAN REVIEW USING THE 2018 IRC****Instructor: Jack Boekhout Consulting, LLC***Credit: building, fire protection*

A building inspector's job encompasses a variety of duties, including plan review, inspection and working with the public. One of the most important parts of that job is plan review. This seminar incorporates elements of plan review, as well as provides suggestions and charts to improve the plan review process. Additional code compliance explanations regarding foundations, framing, volume computations, grade plane etc. are covered. A plan review checklist is provided. Please see page 2 for online class instructions. 0.5 CEU

Mon, April 6 - Online - Go To Training

Tue, May 19 - Holiday Inn, Clinton

P252**PLASTIC DISTRIBUTION AND DWV PLUMBING SYSTEM MATERIALS AND INSTALLATIONS****Instructor: International Code Council***Credit: plumbing*

This seminar provides an overview of the modern plastic materials and methods used in building applications, including water distribution and drain, waste and vent piping. Special attention is given to PPSA documents, including the Apprentice Training Manual. Green and sustainable building applications are also discussed. 0.5 CEU

Thurs, May 28 - Cumberland Cty College Conference and Events Center, Vineland

P260  **NEW****PLUMBING BARRIER FREE CODE REQUIREMENTS; NEW PROJECTS AS WELL AS REHABILITATION SUBCODE COORDINATION AND REFRESHER****Instructor: Fritz Reuss***Credit: plumbing*

This seminar focuses on evaluation of all plumbing barrier free requirement (for new projects and renovations) with emphasis on UCC responsibility in the 2009 ICC/ANSI A117.1 and 2018 IBC NJ Edition, Chapter 11 to ensure accurate plan re-view and inspection analysis - including Rehabilitation Subcode interaction. Responsibility breakdown per NJUCC 3.4 for plan review and inspection is also addressed. This seminar emphasizes that every commercial project (including Use Group R2) has barrier free code impact. An overview of specific code requirement examples and compliance scenarios are provided. 0.5 CEU

Thurs, May 14 - Clarion, Toms River

Mon, June 1 - Online - Go To Training

D416  **NEW****RESIDENTIAL ADDITION - 2020 ROAD MAP****Instructor: Dennis Pino, Nick Fabiano, Fritz Reuss***Credit: administrative, building, fire protection*

A UCC road trip for the entire agency! This navigational seminar depicts a Subcode's road map to single-family R-5 type Additions and their compliance factors in 2020. This seminar is developed to simultaneously drive all subcode disciplines through the newly adopted IRC, NEC and NSPC. The trip starts at the rehabilitation subcode NJAC 5:23-6.32 Additions; heading north to permit applications, plan review and required inspections for Additions. We'll stop at controlled intersections for a simultaneous technical review of significant code changes with an emphasis on joint Subcode responsibilities; arriving at our destination NJAC 5:23-2.23 Certificate requirements. 0.5 CEU

Tue, May 12 - Executive Inn, Fairfield

Thurs, June 4 - Fire-Rescue Station 221, Evesham

B828 NEW**RESIDENTIAL CONSTRUCTION IN COASTAL AREAS****Instructor: Trus Joist and Simpson Strong-Tie***Credit: building*

The focus of this seminar is on residential construction in coastal areas. As the Sandy rebuild continues, it is essential to have a working knowledge of the important material and connection issues in flood-resistant construction. This seminar covers typical construction using engineered lumber products in coastal areas and proper connection for these products. The seminar also addresses “stick built” and modular construction. 0.5 CEU

Thurs, May 7 - Middlesex Cty Fire Academy, Sayreville
 Tue, June 9 - Atlantic Cape Community College, Rutgers
 Building Q, Mays Landing

D359 NEW**RESIDENTIAL SPRINKLERS: HOMES TO HIGH-RISE*****Instructor: Fire Smarts, LLC***Credit: fire protection, plumbing, hotel/multiple dwelling*

The protection of residential occupancies is unique with its distinct requirements for the use and location of sprinklers. Systems installed in accordance with NFPA 13D Standard for the Installation of Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes and 13R Standard for the Installation of Sprinklers in Low-Rise Residential Occupancies are largely life safety in their purpose while those installed in dwelling units as allowed by NFPA 13 Standard for the Installation of Sprinkler Systems are a part of a larger protection scenario. This seminar examines the requirements for each document and the desired protection objectives. The content is based on NFPA 13, 13R, and 13D. 0.5 CEU

Fri, April 3 - Ukrainian American Cultural Center of NJ,
 Whippany
 Wed, April 15 - Somerset Cty Emergency Services Training
 Academy, Hillsborough

D358 NEW**SPECIAL PROVISIONS IN SECTION 510 OF THE IBC 2018 INCLUDING PARKING ABOVE AND BELOW BUILDINGS****Instructor: Jack Boekhout Consulting, LLC***Credit: building, fire protection*

This seminar reviews mixed use compliance with special emphasis on mixed uses with parking garages. Students will have an opportunity to be exposed to the routine questions associated with the application of these provisions. Sample problems and solutions are provided. 0.5 CEU

Tue, April 21 - Fire Department Station 3-2, Wildwood
 Tue, June 2 - The Inn at Lambertville Station, Lambertville

A587**STATUTORY DUTIES OF THE SUBCODE AND CONSTRUCTION OFFICIAL****Instructor: James Foran***Credit: administrative*

This seminar is designed as a refresher for licensed Subcode and Construction Officials. Additionally, other inspectors will benefit from becoming more familiar with the duties and powers of the Subcode and Construction Official positions. The limiting factors of the Subcode and Construction Official's statutory power is also discussed. 0.5 CEU

Wed, May 13 - Fire-Rescue Station 221, Evesham

A728 NEW**THE CODE OFFICIAL PLAYBOOK - 2020 UPDATE*****Instructor: Dennis Pino, Nick Fabiano, Fritz Reuss***Credit: administrative*

This seminar is a play-by-play overview of agency operations and procedures. It expounds upon the many roles and responsibilities of Construction Officials, Subcode Officials and Technical Assistants. From ordinary maintenance to new construction; this seminar busts the myths, challenges misconceptions and provides the facts in a positive-proactive manner. Featuring the “counter of doom,” where participants will analyze NJUCC regulations in action and take part in critical decision making and verification activities specifically produced to highlight UCC compliance; including rehabilitation subcode elements. 0.5 CEU

Tue, May 26 - Kean University, Science, Technology and
 Mathematics Building, Union

D347 **THE DAILY FUNCTIONS OF THE BUILDING SUBCODE OFFICIAL**

Instructor: Richard Perlman

Credit: administrative, building

The role and functions of the Building Subcode official is one of the most complex and wide-ranging in the construction code compliance process. It encompasses such diverse areas as plan review, inspections, air balance reports, res checks and soil bearing reports. The Building Subcode official must help homeowners, conduct special inspections, understand mechanical requirements and energy compliance, generate permit fees, and train inspectors. This seminar focuses on practical applications and procedures that lead to daily success. 0.5 CEU

Fri, May 8 - Middlesex Cty Fire Academy, Sayreville

Thurs, June 18 - Holiday Inn, Hasbrouck Heights

D185 **THE HOTEL/MULTIPLE DWELLING CODE AND UFC RETROFIT PROVISIONS**

Instructor: John Daniels

Credit: building, fire protection, hotel/multiple dwelling

This seminar is designed to explain and identify the Uniform Fire Code Subchapter 4 Retrofit provisions as they relate to Hotels and Multiple Dwellings. The background, purpose and intent is discussed, identifying the minimum requirements within an existing structure, such as sprinklers, fire/carbon monoxide alarms, means of egress, vertical shafts and interior finish. Students will learn to recognize when and how to apply the minimum requirements of the Retrofit code. 0.5 CEU

Tue, April 21 - Brookdale Community College, Western Monmouth Building, Freehold

Thurs, May 14 - Rutgers Continuing Education Center at Atrium, Somerset

D174 **THE RELATIONSHIPS OF THE ENFORCING REGULATIONS**

Instructor: John Daniels

Credit: administrative, fire protection, hotel/multiple dwelling

This seminar is designed to enhance the participants' knowledge of the relationship between the regulations. These changing regulations require an understanding of how they connect to each other and how they ultimately have an effect on everyone. A review of the direct and indirect references will show this relationship. A resource method is shown that will

enable participants to identify other enforcing agencies and their contact information. 0.5 CEU

Tue, June 2 - Atlantic Cape Community College, Cape May Cty Campus, Cape May Court House

Tue, June 16 - Ocean Cty Fire and EMS Training Center, Waretown

A733 **NEW** **THE UCC CHALLENGE - 2020 EDITION** **Instructor: Dennis Pino, Nick Fabiano, Patrick Reardon**

Credit: administrative

This high-paced interactive seminar is developed for all disciplines and all agency staff. Participants will discuss numerous real-life UCC scenarios from ordinary maintenance to reconstruction projects. From construction permit requirements to certificate issuance; a positive proactive seminar featuring the "counter of doom" where we challenge the misconceptions, bust the myths and provide the facts with the intention to promote uniform compliance amongst our agencies. 0.5 CEU

Wed, May 13 - Clarion, Toms River

Fri, June 19 - Holiday Inn, Clinton

A734 **NEW** **UCC ADMINISTRATIVE REVIEW** **Instructor: Valerie Waricka**

Credit: administrative

This seminar discusses how to use the UCC and the Municipal Procedures Manual to better organize office for all employees to ensure the most efficient and effective use of their time. Helpful tips for subcode officials during plan review to utilize their time efficiently are presented. Participants will be learning ways to improve their offices as it relates to the UCC chapter 2. 0.5 CEU.

Thurs, April 16 - Somerset Cty Emergency Services Training Academy, Hillsborough

Fri, May 29 - Cumberland Cty College Conference and Events Center, Vineland

D179 **UCC SPECIAL INSPECTIONS PROGRAM REQUIREMENTS**

Instructor: John Daniels

Credit: administrative, building

This seminar is designed to identify and explain the requirements and procedures of the Special Inspections Requirement within the UCC (N.J.A.C. 5:23-2.20) and NJ 2018 IBC. Topics include the statement of suspensions, the various types of special inspections, identification of when

these inspections are necessary, the independent 3rd party inspection agency/inspectors, and the submission of reports and closing documents to the code official. Discussions will include the requirements relating to both new and rehabilitation projects. 0.5 CEU

Tue, April 14 - NJ Sports & Exposition Authority, Environment Center, Lyndhurst

E314  (pending) **NEW**
UNDERSTANDING YOUR RESPONSIBILITIES N.J.A.C.

5:23-3.4
Instructor: Donald Clare
Credit: electrical

Electrical professionals are governed by many rules and regulations as trained professionals. The Uniform Construction Code (UCC) N. J.A.C. 5:23 has many regulations described by chapters and sections. Section 3.4 is the basis for "Understanding Your Responsibilities N.J.A.C. 5:23-3.4." This section provides electrical professionals the ability to navigate the rules and regulations of the model codes as required by the UCC. Section 3.4 requires the user to know specific code articles relating to many model codes such as, but not limited to, NFPA 70 and 72, the International Energy Conservation Code, and other codes that are of daily use for all New Jersey electrical professionals. 0.5 CEU

Tue, March 31 - Ukrainian American Cultural Center of NJ, Whippany

Wed, May 6 - Ocean Cty Fire and EMS Training Center, Waretown

A735 
VERIFYING AND VALIDATING RESOURCES -
NJUCC AND MANUFACTURER'S COMPLIANCE
REQUIREMENTS

Instructor: Fritz Reuss
Credit: administrative

This seminar discusses how to use internet, manufacturer's material, NJUCC, etc. to address, answer and substantiate compliance requirements relative to general code and UCC administrative questions/issues. The seminar presents an overview of resources that participant can use to answer a specific NJUCC question; including entry requirements, prior approvals, required inspections, Record Retention, OPRA, etc. This seminar introduces tools, techniques and resources to research and obtain the correct NJUCC answer relative to UCC protocols, compliance criteria and Construction Code Communicator relevant articles. 0.5 CEU

Wed, April 15 - NJ Sports & Exposition Authority, Environment Center, Lyndhurst

Mon, June 15 - Online - Go To Training

D354  (pending) **NEW**
WATTS UP! - 2020 UPDATE*
Instructor: Dennis Pino, Nick Fabiano, Don Clare
Credit: building, electrical

From plan-review of concrete encased electrodes to the final electrical inspection checking energy efficient lamp counts, this seminar bridges the transitional gaps between the NEC 2017, IRC 2018 and Uniform Construction Code. A comprehensive breakdown of UCC assigned Electrical and Building Subcode responsibilities for plan review and inspection of one and two family dwellings is presented. Existing codes, code changes and commentary are reviewed in a positive and interactive manner, including: rehabilitation subcode amendments, minor work and ordinary maintenance elements. 0.5 CEU

Thurs, June 11 - Clarion, Toms River

D308
WELDING TESTING AND INSPECTION. NON-
DESTRUCTIVE TESTING PROCEDURES. PRACTICAL
LIQUID PENETRANT, MAGNETIC PARTICLE AND
ULTRASONIC TEST

Instructor: Alex Caploon
Credit: building, special inspector (steel), amusement rides, boiler, pressure vessel and refrigeration

The increasing demand for inspection of welding structures has resulted in an increased number of requests for proper identification of welding discontinuities and nondestructive testing (NDT). This seminar provides an overview of NDT inspection methods that permit evaluation of welds and related materials without destroying their usefulness. Special attention is given to such methods as visual examination, liquid penetrant testing (with demonstration), magnetic particle testing, and ultrasonic testing. Other methods of NDT are also briefly reviewed. 0.5 CEU

Fri, May 22 - Holiday Inn, Clinton

Wed, June 17 - Middlesex Cty Fire Academy, Sayreville

D414  **NEW**
WHAT'S THE STORY? - 2018 IRC NJ EDITION
Instructor: Dennis Pino, Nick Fabiano
Credit: building, fire protection

When is the "lowest floor" not a "story" or a "basement?" When is a "basement wall" an "exterior wall?" When is an attic "habitable" and where are "habitable attics" not permitted? When is a tiny home, a "tiny house" and regulated? A compilation of 2018 IRC Codes and UCC regulations is presented. This seminar focuses on known enforcement issues and construction deficiencies industry wide regarding habitable attics, floors, stories, height, area, egress and many other UCC related elements including permitting and the application of minor work and ordinary maintenance thereto. 0.5 CEU

Thurs, May 7 - Holiday Inn, Budd Lake

Wed, May 20 - Fire Department Station 3-2, Wildwood

FACILITIES INFORMATION

For your convenience seminars are offered throughout the state. Contact information of the facilities is provided below. For detailed directions to the seminars please visit www.cgs.rutgers.edu/codeenforcement or <http://tiny.cc/dca-directions>

Please note that GPS and online maps might provide inaccurate directions. We strongly recommend to visit one of the links above and follow provided directions.

BORDENTOWN: RUTGERS ECOCOMPLEX

1200 Florence-Columbus Road, Bordentown, NJ 08505
(609)499-3600 • <http://ecocomplex.rutgers.edu>

BRANCHBURG: SPECIFIED TECHNOLOGIES INC

210 Evans Way, Branchburg, NJ 08876
(973)526-8000 • <https://www.stifirestop.com>

BUDD LAKE: HOLIDAY INN

1000 International Drive, Budd Lake, NJ 07828
(908)448-1100 • <http://tiny.cc/hibuddlake>

CAPE MAY COURT HOUSE: ATLANTIC CAPE COMMUNITY COLLEGE, CAPE MAY COUNTY CAMPUS

341 Court House South Dennis Rd, Cape May Court House, NJ 08210
(609) 463-4774 • www.atlantic.edu

CLARK: HOLIDAY INN

36 Valley Road, Clark, NJ 07066
(732)574-0100 • www.hiclarknj.com

CLINTON: HOLIDAY INN EXPRESS

111 Route 173, Clinton, NJ 08809
(908)735-5111 • www.hisclinton.com

EVESHAM: FIRE-RESCUE STATION 221

26 East Main Street, Evesham, NJ 08053
(856)983-2750 • <http://www.eveshamfire.org>

FAIRFIELD: BEST WESTERN PLUS EXECUTIVE INN

216-234 Route 46 East, Fairfield, NJ 07004
(973)575-7700 • <http://bwfei.com>

FREEHOLD: BROOKDALE COMMUNITY COLLEGE WESTERN MONMOUTH BUILDING

3680 Highway 9 South, Freehold, NJ 07728
(732)780-0020 • www.brookdalecc.edu

HAMILTON: ROBERT WOOD JOHNSON CONFERENCE CENTER (inside of RWJ Fitness & Wellness Center)

3100 Quakerbridge Road, Hamilton, NJ 08619
(609)584-2159 • www.rwjhamilton.org

HASBROUCK HEIGHTS: HOLIDAY INN

283 Route 17 South, Hasbrouck Heights, NJ 07604
(201)288-9600 • www.holidayinn.com/has-meadowland

HILLSBOROUGH: SOMERSET COUNTY EMERGENCY SERVICES TRAINING ACADEMY

402 Roycefield Road, Hillsborough, NJ 08844
(908)725-5070 • <http://tiny.cc/somersetcoesta>

LAMBERTVILLE: THE INN AT LAMBERTVILLE STATION

11 Bridge Street, Lambertville, NJ 08530
(609)397-8461 • www.lambertvillestation.com

LYNDHURST: NEW JERSEY SPORTS & EXPOSITION AUTHORITY

2 DeKorte Park Plaza, Lyndhurst, NJ 07071
(201)460-1700 • www.njsea.com

MAHWAH: BERGEN COUNTY LAW AND PUBLIC SAFETY INSTITUTE

281 Campgaw Road, Mahwah, NJ 07430
(201)785-6000 • www.co.bergen.nj.us/lpsi

MAYS LANDING: ATLANTIC CAPE COMMUNITY COLLEGE

RUTGERS BUILDING Q
5100 Black Horse Pike, Mays Landing, NJ 08330
(609)343-2092 • www.atlantic.edu

MONROE: FOUNDATION FOR EDUCATIONAL ADMINISTRATION

12 Centre Drive, Monroe, NJ 08831
(609)860-1200 • www.featraining.org

PARSIPPANY: MORRIS COUNTY PUBLIC SAFETY TRAINING ACADEMY

500 West Hanover Avenue, Morris Plains, NJ 07054
(973)285-2979 • www.morrisacademy.org

SAYREVILLE: MIDDLESEX COUNTY FIRE ACADEMY

1001 Fire Academy Drive, Sayreville, NJ 08872
(732)727-0008 • <http://tiny.cc/middlesexcofa>

SOMERSET: RUTGERS CONTINUING EDUCATION CENTER AT ATRIUM

300 Atrium Drive, Atrium Corporate Park, Somerset NJ 08873
(732) 921-8294 • <http://tiny.cc/atrium>

TOMS RIVER: CLARION

Please note: the hotel's prior name was Quality Inn
815 Route 37 West, Toms River, NJ 08755
(732)341-2400 • www.clarionhoteltomsriver.com

UNION: KEAN UNIVERSITY SCIENCE, TECHNOLOGY AND MATHEMATICS BUILDING (STEM)

1075 Morris Avenue, Union, NJ 07083
(908)737-7161 • www.kean.edu

CENTER FOR GOVERNMENT SERVICES

**VINELAND: CUMBERLAND COUNTY COLLEGE,
CONFERENCE AND EVENTS CENTER**

3322 College Drive, Vineland, NJ 08362
(856)691-8600 • www.cccnj.edu/CEC

**WARETOWN: OCEAN COUNTY FIRE AND EMS TRAINING
CENTER**

200 Volunteer Way, Waretown, NJ 08758
(609)242-8450 • <http://tiny.cc/oceancoemstc>

**WHIPPANY: UKRAINIAN AMERICAN CULTURAL CENTER
OF NEW JERSEY**

60C North Jefferson Road, Whippany 07981
(973)585-7175 • www.uaccnj.org

**WILDWOOD: WILDWOOD FIRE DEPARTMENT
STATION 3-2**

111 East Pine Avenue, Wildwood, NJ 08260
(609)846-2061 • www.wildwoodnj.org