Construction and Multiple Dwelling Code Enforcement Officials
Technical Assistants
Design Professionals

CONTINUING EDUCATION SEMINARS ||
SPRING 2020 SCHEDULE
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/UCOnline

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.
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| ☑ The Board of Electrical Contractors will award reciprocal credit for this seminar |
| ☑ 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 |
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  NEW
1705.17- SPECIAL INSPECTION OF FIRESTOP
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

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

E306  NEW
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 firestopping, 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-resistant 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 firestopping and joint systems to ensure the building and occupants are adequately protected. 0.5 CEU  
Thurs, April 2 - RWJ Conference Center, Hamilton  
Thurs, June 11 - Morris Cty Public Safety Training Academy, Parsippany

D408  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  NEW
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  NEW
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

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

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
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

NO. 22
CONTINUING EDUCATION SEMINARS
NO. 23
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

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

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  NEW
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

A720  NEW
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  NEW
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  NEW
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 ongoing 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  NEW
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 HVACR 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
D403  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
A732  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  

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, Vineland  
Wed, 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
NEW

D420

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

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)

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
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

Wed, May 8 - Ocean Cty Fire and EMS Training Center, Waretown
Tue, June 16 - Middlesex Cty Fire Academy, Sayreville
D267  NEW
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 IAEI 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  NEW
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  (pending)
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**

**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**

**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 PPFA 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 review 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**
**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

**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 NEW**

**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
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

D174 NEW
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

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CONTINUING EDUCATION SEMINARS

D185 NEW
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

Wed, May 13 - Clarion, Toms River
Fri, June 19 - Holiday Inn, Clinton

D179 NEW
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

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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 NEW 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 Retension, 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 thereeto. 0.5 CEU

Thurs, May 7 - Holiday Inn, Budd Lake
Wed, May 20 - Fire Department Station 3-2, Wildwood
| **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