

Request a CTI Course

Request a CTI Course — in 3 Easy Steps!

Save Your Jurisdiction Money Raise Money for Your Chapter

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✓ Select the type of offering your chapter or jurisdiction would like to request.

OPTION 1 | Requested Course Offering

DISCOUNT: One percent per person (up to 45 people) of the profit refunded.

CTI PROVIDES:

- Instructor
- Materials and Handouts
- Presentation
- Marketing
- Maintain AIA & ICC Preferred Provider Attendance Rosters
- Certificates of Attendance

CHAPTER/JURISDICTION PROVIDES:

- Minimum of 20 Attendees
- Training Facility
- Equipment
- Attendee Lunch
- Course Moderator

OPTION 2 | Hosted Course Offering

DISCOUNT: Flat 15% of the profit refunded, regardless of number of students.

CTI PROVIDES:

- Instructor
- Materials and Handouts
- Presentation
- Marketing
- Attendee Lunch
- Maintain AIA & ICC Preferred Provider Attendance Rosters
- Certificates of Attendance

CHAPTER/JURISDICTION PROVIDES:

- Training Facility
- Equipment
- Course Moderator

OPTION 3 | Flat Rate Course Offering

Flat fee of \$2,500 (plus cost of course workbooks - \$15 each) is paid to CALBO. Chapter or Jurisdiction collects all course profits.

CTI PROVIDES:

- Instructor
- Materials and Handouts
- Presentation
- Maintain AIA & ICC Preferred Provider Attendance Rosters
- Certificates of Attendance

CHAPTER/JURISDICTION PROVIDES:

- Equipment
- Training Facility
- Course Moderator
- Attendee Lunch
- Marketing
- Registration

2

Provide the following information.

CONTACT PERSON

CHAPTER / JURISDICTION

ADDRESS

CITY / STATE / ZIP

PHONE

EMAIL

REQUESTED COURSE(S)

REQUESTED DATE(S)

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Email your request to Lauren Herman, CALBO Director of Training and Communications, at lherman@calbo.org.

**15 Steps to
Dangerous Building
Enforcement**

ICC PP COURSE NO. 16204

new!

All California building departments are mandated to enforce housing and building codes for safe occupancy in existing buildings. In recent years, this has become more and more concerning. It is helpful for all building and code enforcement departments to be familiar with their dangerous building authorities and enforcement procedures, including inspection and documentation responsibilities. This course discusses the steps, principles, and authorities associated with the dangerous building enforcement process, along with the challenges that may be presented by owners and occupants.

**2016 California
Building Code:
Significant Changes**

ICC PP COURSE NO. 8535

This course is conducted in a workshop format with the lecturer and attendees participating in active discussions of the significant non-structural revisions that will help with the transition to the latest California Building Code (CBC). The course highlights those areas that have been revised from the 2013 CBC with other code topics welcomed for discussion. Building officials, architects, designers, engineers, plans examiners, field inspectors, and counter technicians are encouraged to attend. The course is appropriate for experienced and not-so-experienced users of the CBC. All attendees will receive a joint CALBO/ICC publication.

**2016 California Energy
Standards: Residential
Envelope Requirements**

ICC PP COURSE NO. 16217

new!

This overview course focuses on the 2016 Building Energy Efficiency Standards requirements for residential envelope assemblies and components in newly-constructed buildings, additions, and alterations. The course objective is to increase attendees' understanding of Title 24, Parts 1 and 6. Topics addressed include: fenestration, insulation (including for high-performance attics and walls), cool roofs, radiant barriers, vapor retarders, compliance documents, and resources. This course includes discussion about enforcement issues on how to identify compliance triggers, how to verify compliance at permit, and how to verify measures and efficiencies at final inspection. Through this training, attendees are provided with the knowledge and tools necessary to enforce and comply with the 2016 Energy Standards.

**2016 California
Electrical Code:
Residential Electrical
Systems**

Half Day | ICC PP COURSE NO. 16243

new!

This course covers the design, installation, and inspection of electrical systems in new and existing one- and two-family dwellings. Topics discussed in detail include the following: branch-circuits, feeder and service calculations; installing main services; service grounding and bonding requirements; panelboards; feeders and overcurrent protection; wiring methods; devices, pull and junction boxes; light fixtures; appliances; air conditioning and heat-pump equipment; spas, hot tubs, and hydromassage bathtubs; outbuildings.

**2016 California
Energy Standards:
Nonresidential Lighting
& Electrical Requirements**

Half Day | ICC PP COURSE NO. 16218

new!

This overview course focuses on the 2016 Building Energy Efficiency Standards requirements for nonresidential indoor lighting, outdoor lighting, sign lighting, and electrical power distribution systems in newly-constructed buildings, additions, and alterations. The course objective is to increase attendees' understanding of Title 24, Parts 1 and 6. Topics addressed include: lighting controls, acceptance testing, lighting power allowance, electrical service and circuits, compliance documents, and resources. This course includes discussion about enforcement issues on how to identify compliance triggers, how to verify compliance at permit, and how to verify measures and efficiencies at final inspection. Through this training, attendees are provided with the knowledge and tools necessary to enforce and comply with the 2016 Energy Standards.

**2016 California
Electrical Code:
Commercial Electrical
Systems**

Half-Day | ICC PP COURSE NO. 16244

new!

This course is designed for combination inspectors and plan reviewers who wish to gain greater knowledge and experience of commercial electrical inspection. Basics of electrical plan review and inspections for commercial buildings are discussed, including main services, switchboards and panelboards, grounding and bonding, load calculations, lighting installations, wiring methods, motors, transformers, and emergency systems.

**2016 California
Mechanical Code: The
Basics of Inspection**

ICC PP COURSE NO. 16201

new!

This class is a comprehensive overview on the basics of inspection for mechanical installations to ensure compliance with the 2016 California Mechanical Code. The class covers numerous types of furnace



installations in residential and non-residential buildings, including those in closets, attics, garages, and on-roof installations. It also covers air-conditioning and ventilation system installations. This

course includes discussion about where exhaust fans are required, where fire/smoke dampers should be installed, when smoke detection devices would be required, detailed commercial grease-exhaust system requirements for restaurants, flammable vapors and dust-collection system requirements, as well as refrigeration machinery room requirements for large installations and for grocery stores.

**2016 California
Plumbing Code: The
Basics of Inspection**

ICC PP COURSE NO. 16202

new!

This class is a comprehensive overview on the basics of inspection for plumbing installations to ensure compliance with the 2016 California Plumbing Code. The class covers conventional drainage systems, but also includes the various allowable non-conventional wet-venting systems and indirect waste requirements. This course includes discussion about drainage changes in direction rules, clean-out requirements, drainage below the public sewer elevation and below the upper manhole, water systems, water heater provisions, and gas systems installations. The plumbing fixtures required minimum numbers as well as limitation on allowable flows are also discussed. Private sewage disposal systems are covered for those areas without public sewers service as well. The course covers basic sizing requirements for drainage, venting, water, gas, storm drains, and water heaters. Detailed examples are included to show the correct and code-compliant methods of sizing for these systems.

CTI Course Offerings Available All Year For Your Jurisdiction

2016 California Residential Code: Significant Changes

ICC PP COURSE NO. 7936

This course examines the significant revisions to the 2016 California Residential Code (CRC). The course is conducted in a workshop format with the lecturer and attendees participating in active discussions of the revisions. The course highlights those areas that have been revised from the 2013 CRC with other code topics always welcomed. Building officials, architects, designers, engineers, plans examiners, field inspectors, and counter technicians are encouraged to attend. All attendees will receive a joint CALBO/ICC publication.

2016 CBC Chapter 11A: Privately-Funded Multi-Family Dwelling Accessibility

ICC PP COURSE NO. 8587

This course provides attendees with a working understanding of the adaptable housing requirements for privately-funded multi-family dwellings in California.



The course covers selected scoping and technical provisions with an emphasis on understanding the practical applicability of the requirements. Discussion and lecture assists users of the code with inspections

and plan reviews of multi-family dwelling unit construction. The course meets the following continuing educational requirements: (1) HSC requirements for building department personnel, (2) BPC requirements for CA Licensed Architects, (3) AIA CES HSW Learning Units for AIA members, (4) Title 21 requirements for Certified Access Specialist (CASp).

2016 CBC Chapter 11B: Accessibility in Public Buildings, Public Accommodations, Commercial Buildings and Public Housing

ICC PP COURSE NO. 8588

This course provides attendees with a working understanding of the 2016 updates to the disabled-access provisions contained in the California Building Code, with an emphasis on the interpretations and



intent of selected administrative, scoping and updated technical requirements. Discussion and lecture assists users of the code with inspections and plan reviews of multi-family dwelling-unit

construction. Supporting documents (ASTM, ANSI, Guidelines, Best Practices, etc.), tools of the trade, and inspection techniques are explored throughout the course. Local jurisdictional staff (building department, public works, parks and recreations, etc.), architects, designers, contractors, and business owners/managers are encouraged to attend. The course meets the following continuing educational requirements: (1) HSC requirements for building department personnel, (2) BPC requirements for CA Licensed Architects, (3) AIA CES HSW Learning Units for AIA members, (4) Title 21 requirements for Certified Access Specialist (CASp).

Energy Storage Systems: Plan Review and Inspection Processes

Half Day | ICC PP COURSE NO. 16246

This course covers the new Lithium-Ion Energy Storage Systems (ESS) and their integration with photovoltaic (PV) systems. Plan review and field inspection basics for ESS, including a review of the new 2017 Articles for ESS and requirements in other codes, differences between modern ESS and "old school" lead acid battery banks, how ESS products are tested and which standards apply, information on current related code development activities, the latest research and standards development, and 2017 Articles for Stand-Alone Systems and for Direct Current Microgrids.

Housing and Community Development and the Local Building Department: Alternative Housing in California

ICC PP COURSE NO. 16247

This interactive course is an overview designed to provide the basic knowledge, tools, and insight of California Department of Housing and Community Development (HCD) programs to identify the nexus that exists between local enforcement agencies and HCD regarding alternative housing in California. As the housing crisis continues across California, local building departments are dealing with new forms of housing. Discussion topics include the following, State Housing Law Program, Title 24 building standards code development, Tiny Homes, Factory-Built Housing/Manufactured Homes, Accessory Dwelling Units, and Emergency Housing. Additional focus is directed toward understanding HCD Mobilehome Parks and Special Occupancy Parks Program. Attendees will also learn about the distinction between the role of local enforcement and the responsibilities of HCD in housing development in California.

Means of Egress

ICC PP COURSE NO. 2865

This course explains basic exiting requirements of the 2016 CBC Chapter 10 as well as the general requirements and explanation of the three-part means of egress system. Attendees are provided with practical methods of reviewing and inspecting egress systems. This is a must-take course for permit technicians, building and fire plan reviewers, inspectors, and anyone interested in learning more about egress. This course provides clarifications included in the 2016 Code Changes from the California State Fire Marshal's adoption of CBC/CFC Chapter 10 and CC & R Title 19.

Residential Fire Sprinkler Systems

ICC PP COURSE NO. 12024

This course encompasses everything you need to know about residential fire sprinkler systems. The presentation covers topics ranging from the basics of NFPA 13D, what is different in the 2016 edition of NFPA 13D, and specific amendments in the California Residential and Fire Codes that affect NFPA 13D. Course discussion includes common local amendments practiced throughout the state, as well as common acceptance test procedures allowed by different jurisdictions. After completing this course, attendees will have an in-depth understanding of residential fire sprinkler systems and what to look for when reviewing or inspecting these systems.

new!

Residential Plan Review ICC PP COURSE NO. 16200

We all have small residential projects that we should know how to perform, but we don't always have the experience or knowledge to know what to look for and what questions to ask; well, look no further than this course to assist with expanding your knowledge of residential plan review. This course includes discussion about techniques for plan checking of such projects from start to finish. Examples of patio enclosure, window change out, patio covers-attached, and much more are discussed with audience participation encouraged.

new!

Solar Photovoltaic Systems: Plan Review and Inspection Processes

Half Day | ICC PP COURSE NO. 16245

This is an interactive course designed to provide a practical process to review plans and inspect installations of solar photovoltaic (PV) systems. Attendees will learn how to evaluate a complete solar permit package to ensure it is compliant with building, fire, and electrical codes relevant to your jurisdiction. Emphasis on identifying the items missed most frequently encountered in plan review and field inspection are discussed. This course is ideal for building department staff who work at the counter and in the field.

new!

The Fundamentals of Commercial Inspection

ICC PP COURSE NO. 16249

The inspection of commercial construction includes many facets of the building code above and beyond residential inspection. This course empowers new commercial inspectors and inspectors looking to hone their skills for commercial inspections. This course provides review of common inspection practices and highlights problems associated with larger projects. Aspects of the code related to large foundation inspection, egress for large commercial and assembly buildings, and accessibility complications unique to commercial construction are some of the important areas covered in this informative course.

new!

The Fundamentals of Commercial Plan Check

ICC PP COURSE NO. 16248

Performing commercial building plan reviews can be a complicated and tedious process. This course covers the various components and applicable codes most commonly seen in commercial plans related to Fire/Life safety, as well as how to implement best practices on how to triage, document needed corrections, and manage the general workflow of commercial plan review and processing.



The Keys to Successful Resource Management

ICC PP COURSE NO. 12502

The goals of any office should be to hire the right people, train staff, and afford them opportunities for growth while setting parameters and guidelines. This course teaches attendees how to gain the skills and tools to manage the rules and guidelines of their office



to ensure that each work in tandem to manage staff (for effective staff management). Attendees will learn performance management as an evaluative and developmental tool and the

use of coaching skills to improve the adjustment and performance of individuals in an organizational setting. The other aspect of training and development is to provide an understanding of progressive discipline fundamentals and techniques (verbal and documentation). Managers, supervisors, and those seeking to advance as leaders in the work environment are encouraged to attend this course to learn how to develop and nurture a team that not only gets "the job done" but works collectively and cooperatively toward common goals.

new!

Wildland-Urban Interface

ICC PP COURSE NO. 16250

The collaboration between fire and building departments has always been essential; this was recently proven with the recent wildland fires throughout California. In this course, special focus will be given to California's Wildland-Urban Interface (WUI) Codes and its development process. Case studies are reviewed and analyzed in the course discussion as well. This course assists in exploring resources and essential information to help building departments prepare for and respond to the effects of fires in Wildland-Urban Interface.

Safety Assessment Program: Coordinator Training

ICC PP COURSE NO. 12006

The SAP Coordinator Training is designed by Governor's Office of Emergency Services (Cal OES) to train local government representatives on how to estimate the local needs for SAP Evaluators, how to request and manage resources, and how to organize necessary information that may be needed in response to a local event. This course presents an overview of recognized evaluation procedures and provides detailed information about the development and implementation of an operational plan for the evaluation of damaged buildings. Each local government should appoint a SAP Coordinator to attend the SAP Coordinator Training. Course materials are prepared by Cal OES.

Safety Assessment Program: Evaluator Training

ICC PP COURSE NO. 12007

The SAP Evaluator Training is designed by Governor's Office of Emergency Services (Cal OES) to train civil engineers, architects, and building inspectors to perform field evaluations of buildings and other infrastructure for damage. SAP Evaluators will learn how to assess buildings, facilities, and systems to determine the safety for continued use and safe occupancy or restricted use. Attendees will also learn about how to rate the safety significance of damaged buildings. The course provides detailed instruction on required forms, placards, and the evaluation procedures for all post-disaster buildings (including residences and mobile homes). Course materials are prepared by Cal OES.