

2023 CTI Mini Education Week

Monday Course Descriptions

2022 California Building Code: Significant Changes

ICC PP Course No. 31883 (0.6 CEUs)
AIA Course No. 14: 2022 (6 LU | HSWs)



This course examines the significant non-structural revisions to the latest California Building Code (CBC). The course is conducted in a workshop format with the instructor and attendees participating in active discussions of the revisions. The course highlights those areas that have been revised from the 2019 CBC with other code topics welcomed for discussion; chapter 11A and 11B topics are not covered in-depth. 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 receive a digital version of the joint CALBO/ICC publication.

2022 California Energy Code: Nonresidential, Single-Family and Multifamily Significant Changes

ICC PP Course No. 32035 (0.6 CEUs)
AIA Course No. 22: 2022 (6 LUs)

This course provides an overview of the significant changes to the 2022 Energy Code requirements for nonresidential, single-family and multifamily buildings scheduled to go into effect on January 1, 2023. Topics discussed include heat pumps, electric ready for mixed-fuel buildings, ventilation and indoor air quality, duct sealing, solar PV and battery storage, controlled environmental horticulture spaces, indoor and outdoor lighting systems, grid integration equipment and the new multifamily sections. Information is also provided about 2022 Energy Code resources and tools.

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2022 California Mechanical Code: Residential and Commercial Inspection Fundamentals



ICC PP Course No. 31677 (0.6 CEUs)

AIA Course No. 10: 2022 (6 LU | HSWs)

This course provides a comprehensive overview and a step-by-step process of performing all mechanical inspections on residential and commercial projects from first to final inspection while identifying what should be found for each stage. Basics of the 2022 California Mechanical Code are covered along with code requirements ranging from the underground to the final inspection. This course helps the inspector identify and prioritize mechanical corrections. The material covers the most common corrections found in the field, relevant code sections and a breakdown of navigating the codebook by its chapters. This simplified yet systematic approach to mechanical inspection also touches on concurring code considerations, such as Zoning and Energy Code requirements.

Permit Technician Career Advancement: The Core Essentials

ICC PP Course No. 31998 (0.6 CEUs)

This course provides the core essentials that all permit technicians should know for their daily work duties. Attendees learn what to understand for permit requirements, how to maintain records, how to collect permit fees, how to support the inspection process, and how to receive and screen plans and related documents to assist the review process and the public. Attendees are provided with a high-level overview of code administration, history and customer service. The instructor highlights common information covered in the ICC Permit Technician certification exam throughout the course. Attendees also receive a checklist to use daily when receiving plans from the public at the permit center.

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Tuesday Course Descriptions

2022 California Residential Code: Significant Changes

ICC PP Course No. 31881 (0.6 CEUs)
AIA Course No. 15: 2022 (6 LU | HSWs)



This course examines the significant revisions to the latest California Residential Code (CRC). The course is conducted in a workshop format with the instructor and attendees participating in active discussions of the revisions. The course highlights those areas that have been revised from the 2019 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 receive a digital version of the joint CALBO/ICC publication.

Solar Photovoltaic and Energy Storage Systems: Inspection Fundamentals

ICC PP Course No. 31683 (0.6 CEUs)
AIA Course No. 11: 2022 (6 LU | HSWs)

This course is an overview of inspection fundamentals for residential and commercial solar photovoltaic (PV) systems. Plan reviewers and inspectors are provided with technics for reviewing solar PV and energy storage systems (ESS) plans for compliance with California codes, including ADUs. Special attention is given to inspection issues and inspection technics of these systems. Attendees learn how to confirm that the submitted plans were properly followed and recognize common field mistakes. A brief overview of the upcoming 2022 code changes for PV systems and ESS is also discussed. As solar PV and ESS are constantly evolving, this course updates on the latest codes and inspection procedures.

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2022 California Plumbing Code: Residential and Commercial Inspection Fundamentals

ICC PP Course No. 31679 (0.6 CEUs)

AIA Course No. 9: 2022 (6 LU | HSWs)



This course provides the process and techniques of performing both residential and commercial plumbing inspections from underground, rough and through final. Basics of the 2022 California Plumbing Code requirements are covered along with how to navigate the code book, inspection procedures and meeting minimum compliance while conducting an inspection. The material is intended to be practical and covers the most common corrections found in the field, their relevant code sections and a break down navigating the code book by its chapters. This course is to help guide and assist the Authority Having Jurisdiction while inspecting different types of plumbing systems.

Permit Technician Career Advancement: How to Properly Screen Plans for Successful Permit Services

ICC PP Course No. 32000 (0.6 CEUs)

This course provides an overview of best practices for permit technicians to ensure an efficient plan review process. Plans are reviewed to provide attendees with an understanding of various and common types, including civil plans, architectural plans, structural plans, electrical plans, fire protection, landscaping plans, mechanical plans, plumbing plans and sewer plans. Attendees also learn how to identify plan revisions, construction documents prerequisites, and explain symbols and abbreviations. A handy checklist is provided to attendees to use during daily plan screening for permit issuance. New and experienced permit technicians are encouraged to attend to strengthen their plan screening experience and technical knowledge.

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Wednesday Course Descriptions

2022 CBC Chapter 11A: Privately-Funded Multi-Family Dwelling Accessibility

ICC PP Course No. 31688 (0.6 CEUs)

AIA Course No. 12: 2022 (6 LU | HSWs)



Chapter 11A is considered by many to be the most challenging chapter in the California Building Code (CBC). This course provides a newly updated comprehensive study of the 2022 CBC Chapter 11A scoping and technical provisions along with the history and intent of accessible housing regulations. Attendees gain a practical understanding of accessibility for covered multifamily dwellings through diagrams, examples and real-world scenarios. Building officials, accessibility plan reviewers, accessibility inspectors, designers, architects, and contractors are encouraged to attend.

Means of Egress in the 2022 California Building Code

ICC PP Course No. 31968 (0.6 CEUs)

AIA Course No. 16: 2022 (6 LU | HSWs)

This course explains the basic exiting requirements of the 2022 California Building Code: Chapter 10 as well as the general requirements and explanation of the three-part means of egress system. Attendees learn practical methods of reviewing and inspecting egress systems. Permit technicians, building and fire plan reviewers, inspectors, and anyone interested in learning more about egress are encouraged to attend. This course clarifies the code changes from the California Fire Marshal's adoption of CBC/CFC Chapter 10 and CCR Title 19.



Don't Forget the Registration Deadline!*

Thursday, March 16, 2023 at 5:00pm

***Registrations and changes will not be accepted on-site.**

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Wednesday Course Descriptions continue

2022 California Electrical Code: Significant Changes

ICC PP Course No. 32002 (0.6 CEUs)

AIA Course No. 19: 2022 (6 LU | HSWs)



Be ready for the changes and new requirements in the 2022 California Electrical Code, which goes into effect on January 1, 2023. This course reviews the most significant updates, including ground-fault circuit interrupters, lighting load calculations, reconditioned equipment, swimming pool requirements and revised definitions for fault current. Updates to specialty topics, including electric vehicle charging systems, solar photovoltaic systems and energy storage systems, are also presented. This course is designed for plan check engineers, combination building inspectors, electrical inspectors and design professionals.

Streamlining Residential Plan Review

ICC PP Course No. 31982 (0.6 CEUs)

AIA Course No. 17: 2022 (6 LUs)

This course highlights the primary concepts required for performing a comprehensive residential plan review, including the coordination of the various trades. Attendees begin by identifying the minimum information required on the building plan set and progress to reviewing the major components of the site plan, floor plan, roof plan, elevations, sections, title-24 forms, foundation detailing, and framing plan to verify code compliance. Whether it is a new home, an accessory dwelling unit, a room addition, a patio enclosure, or a garage conversion, this course highlights typical code challenges that may be encountered during plan review to help build an understanding of the intention of the code. To enhance customer service, attendees are also shown how to anticipate existing conditions that may have code impacts on the proposed construction of additions, remodels, and garage conversions.