

Agenda

Presented by David Barron

Introduction to Plumbing Standards and Practices

- International Plumbing Code
- International Residential Code
- Overview of plumbing-specific code provisions
- How do you determine the code that applies to your project

Cross Connections (Backflow Prevention)

- Basic hydraulics
- Definition of backflow
- What are cross connections
- How to prevent backflow and cross connections
- Public water systems

Waste Removal Systems

- How does the city sewer system work?
- How does a septic sewer system work?
- Lift stations: what is a lift station and how does it work?

Water Filtration Systems

- How does chlorine affect your water system?
- How does calcium affect your water system?
- Types of water filtration systems
- Cost of water filtration vs. cost of no water filtration

Plumbing Violations

- 10 most common plumbing violations
- Issues involving water/sewer inspections
- Issues involving rough-in plumbing inspections
- Issues involving underground plumbing inspections

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Best Practices in Plumbing Design and Construction

Live, Interactive Webinar - Thursday, April 18, 2024

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Learning Objectives

You'll be able to:

Review plumbing standards and plumbing-related code provisions in the International Building Code and the International Residential Code.

Get tips on preventing backflow and cross connections between water supply and wastewater systems.

Learn how city sewer and onsite wastewater treatment systems work.

Discuss different types of water filtration systems and explore the effects of chlorine and calcium on water systems.

Identify the ten most common plumbing violations, and handle common issues raised during plumbing inspections.



HalfMoon Education Live Webinars

Best Practices in Plumbing Design and Construction: For Residential and Small Commercial Buildings

Live, Interactive Webinar - Thursday, April 18, 2024



Explore plumbing-specific code provisions and learn how to determine the code that applies to a specific project

Discuss how to prevent backflow and cross connections

Learn the functions of a waste removal system and examine how city sewer systems work

Determine how chlorine and calcium affect water systems

Analyze the most common plumbing violations that are found during inspections

Continuing Education Credits

Professional Engineers
6.0 PDHs

International Code Council
.6 CEUs (Building)

Architects
6.0 HSW CE Hours
6.0 AIA LU | HSW



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Webinar Information

Log into Webinar 8:00 - 8:30 am CDT	Break 12:30 - 1:00 pm CDT
Morning Session 8:30 am - 12:30 pm CDT	Afternoon Session 1:00 - 3:30 pm CDT

Tuition
\$319 for individual registration.
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Faculty

David Barron has worked in the plumbing industry for over 20 years and has extensive experience in operations, training, repairs, and maintenance. He has installed countless water service systems and repairs, water distribution systems and repairs, DWV systems and repairs, gas piping systems and repairs, gas/electric/tankless water heater installations and repairs, and thousands of plumbing maintenance (tune-ups) reports. Mr. Barron's professional licenses and certificates include Tennessee Limited License Plumber, Electrical Certificate, Major Appliance Repair Certificate, Universal EPA License, Certified Residential Water Heater Technician, Rinnai Certified Tankless Trainer (Level 3), Certified Cross Connection Tester, GasTite Qualified Installer, and TracPipe Counterstrike Qualified Installer. While he has a love for plumbing, Mr. Barron also enjoys spending time with my family kayaking and hiking the trails in Tennessee. Pickle Ball has recently become his favorite activity!

Credit Information

This webinar is open to the public and is designed to qualify for 6.0 PDHs for professional engineers and 6.0 HSW continuing education hours for licensed architects in all states that allow this learning method. Please refer to specific state rules to determine eligibility.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida (Provider License No: CEA362), Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700) and North Carolina (S-0130). HalfMoon Education is deemed an approved continuing education sponsor for New York engineers and architects via its registration with the American Institute of Architects Continuing Education System (Regulations of the Commissioner §68.14(i)(2) and §69.6(i)(2)). Other states do not preapprove continuing education providers or courses.

The American Institute of Architects Continuing Education System has approved this course for 6.0 HSW LUs (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The International Code Council has approved this event for .6 CEUs in the specialty area of Building (Preferred Provider No. 1232).

Attendance will be monitored, and attendance certificates will be available after the webinar for those who attend the entire course and score a minimum 80% on the quiz that follows the course (multiple attempts allowed).

On-Demand Credits
The preceding credit information only applies to the live presentation. This course in an on-demand format may not be eligible for the same credits as the live presentation; please consult your licensing board(s) to ensure that a structured, asynchronous learning format is appropriate. The following pre-approvals may be available for the on-demand format upon request:
6.0 HSW LUs (AIA)

Additional Learning

- Water Damage Events: Scope, Risks, and Accountability in Remediation**
- Monday, March 11, 2024 | 9:00 am - 5:00 pm CDT
- NFPA 99: Health Care Facilities Code**
- Tuesday, March 12, 2024 | 9:00 am - 4:30 pm CDT
- Wayfinding for Designers and Building Professionals**
- Wednesday, March 13, 2024 | 9:00 am - 12:00 pm CDT
- Thursday, March 14, 2024 | 9:00 am - 12:00 pm CDT
- Using RSMeans Data to Create Cost Estimates**
- Friday, March 15, 2024 | 9:00 am - 4:30 pm CDT
- 2021 International Residential Code: Plumbing Systems**
- Tuesday, March 19, 2024 | 12:00 - 4:30 pm CDT
- Cold Climate Residential Design**
- Wednesday, March 20, 2024 | 9:00 am - 4:00 pm CDT
- Sustainable Site Design**
- Wednesday, March 20, 2024 | 8:30 am - 4:00 pm CDT
- Forensic Engineering Concepts & Case Studies**
- Friday, March 22, 2024 | 7:30 am - 4:00 pm CDT
- Foundation and Retaining Wall Damage and Repair: Science, Materials, and Techniques**
- Friday, March 22, 2024 | 9:00 am - 4:30 pm CDT
- Electrical Basics for Building Professionals: Understanding and Calculating Electrical Loads**
- Tuesday, March 26, 2024 | 9:00 am - 12:15 pm CDT
- Electrical Basics for Building Professionals: Residential Electrical Circuit Design**
- Tuesday, March 26, 2024 | 1:00 - 4:15 pm CDT
- Current Issues in Interior Design**
- Tuesday, March 26, 2024 | 8:00 am - 4:30 pm CDT
- Complying with the Uniform Plumbing Code 2021**
- Tuesday, March 26, 2024 | 9:00 am - 4:30 pm CDT
- Residential and Small Commercial Roof Design and Construction**
- Thursday, March 28, 2024 | 9:00 am - 4:30 pm CDT
- 2021 International Residential Code: Electrical Systems**
- Tuesday, April 2, 2024 | 12:00 - 4:30 pm CDT
- Commercial and High-End Residential Deck Design and Construction**
- Wednesday, April 3, 2024 | 9:00 am - 4:00 pm CDT

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