

Continuing Education

We are proud to offer the following CEU Courses

Contact Michelle Stilley or Matt Morris to Register

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<p>SLOAN <u>Specifying Plumbing Fixtures for K-12 and Higher Education Facilities</u> Credits: AIA-HSW, GBCI Learning Objectives:</p> <ul style="list-style-type: none"> • Examine the factors that influence commercial restroom design for K-12 education facilities such as design, specification process, product preference for new construction vs. retrofits, water conservation and sustainability efforts. • Review the factors that influence commercial restroom design for higher education facilities such as design, specification process, product preference for new construction vs. retrofits, water conservation and sustainability efforts. • Identify how product selection of electronic sensors, low flow and dual flush toilets, retrofits for faucets and flushometers, as well as solar and turbine power contribute to water conservation for energy and cost savings. 	<p>SLOAN <u>Understanding Regulatory Compliance for Water Efficiency in Commercial Plumbing</u> Credits: AIA LU, LEED, IDCEC, PDH ASPE Learning Objectives:</p> <ul style="list-style-type: none"> • Review the history and current status of codes and standards for interior commercial plumbing water efficiency and the water-energy nexus. • Understand the differences between various third-party certifications including IAPMO, ICC, NSF, and UL CSA, as well as UPC, cUPC, and UPC GREEN. • Discuss how the current codes and standards have reduced water consumption rates and how there is a lack of consistency between federal, state, and local regulations. • Understand the introduction of voluntary specifications for water-using urinals and the new flushometer-valve water closets and high efficiency flushometer valves to WaterSense, including differences in dual flush and MaP requirements.
<p>SLOAN <u>Sink Selection for Sustainability and Accessibility</u> Credits: AIA, GBCI, IDCEC, PDH ASPE Learning Objectives:</p> <ul style="list-style-type: none"> • Understand Architects and Designers role in sustainable and accessible designs. • Review the various standard and sustainable sin/ lavatory materials, style options and potential LEED credits. • Review Sink/Lavatory Component options and how they improve a buildings sustainability efforts. • Evaluate and review ADA criteria to consider when planning for commercial bathrooms sinks/lavatories. • Specifications review – how to specify an integrated solid surface sink system. 	<p>SLOAN <u>Electronic Sensor Faucets Improve Hygiene and Conserve Water in Commercial Restrooms</u> Credits: AIA-HSW, GBCI, IDCEC, PDH ASPE Learning Objectives:</p> <ul style="list-style-type: none"> • Understand how electronic sensor faucets improve hygiene in commercial settings. • Examine the various technologies, options, and settings available in electronic sensor faucets. • Describe the importance of electronic sensor faucet selection for specific markets and applications. • Identify how electronic sensor faucets contribute to water conservation. • Understand how regulatory compliance factors into electronic sensor faucet selection.

Continuing Education

SLOAN

Conserving Water Through the Latest Updates to High Efficiency Fixtures

Credits: AIA-HSW, LEED

Learning Objectives:

- Discuss the importance of water conservation and how high-efficiency toilet systems can aid in these efforts.
- Review the technology behind hybrid urinals and how this product can contribute to water conservation.
- Examine a study that explored how a reduction in water consumption impacts drain lines and the plumbing.
- Identify changes in LEED v4 related to water efficiency.

SLOAN

Conserving Water with Reclaimed Water Flushometers

Credits: AIA-HSW, LEED, IDCEC, PDH ASPE

Learning Objectives:

- Review the importance of water conservation.
- Describe how reclaimed water contributes to water conservation.
- Understand risks that reclaimed water poses for traditional flushometers and how these risks are addressed.
- Explain options available for reclaimed water flushometers.

SLOAN

Selecting Plumbing Fixtures for Commercial Restrooms in Healthcare Facilities

Credits: AIA-HSW, LEED, IDCEC, PDH ASPE

Learning Objectives:

- Understand infectious disease control and implications of Healthcare-Associated Infections (HAIs)
- Explain the importance of washing hands, and describe the pros and cons of various approaches, including hand dryers vs. paper towels and sensor-activated (hands-free) vs. manual products.
- List implications of unique plumbing products designed for healthcare facilities, including bed pan washers, toilets with bed pan lugs, surgeon stainless steel sinks, clinic service sinks and bariatric water closets.
- Describe how compliance with ADA regulations affects commercial restroom product selection.

SLOAN

Maximizing Water Efficiency for Sustainable Restroom Design

Credits: AIA-HSW, GBCI, IDCEC, PDH ASPE

Learning Objectives:

- Review facts about water and water use in the U.S.
- Understand the movement toward “Green Building” and programs that outline ways to save water.
- Review the LEED rating system and how it applies to water efficiency
- Describe different water conservation legislation.
- Learn specific green design restroom applications.
- Talk about fixture performance testing.
- List the benefits of High Efficient fixtures.
- Learn what to look for when choosing water saving products.

SLOAN

Clarifying Product Transparencies – Life Cycle Assessment, Environmental & Health Product Declarations and Declare Labels

Credits: AIA-HSW, GBCI, IDCEC, PDH ASPE

Learning Objectives:

- Examine the need to reduce the environmental impact of buildings and the global demand for product transparency in the building industry.
- Understanding what is a Life Cycle Assessment and why it's the foundation for an Environmental Product Declaration (EPD).
- Review EPDs, HPDs and Declare Labels and understand how those reports are generated.
- Understand how to find product transparency reports and how manufacturers are using the data.

Continuing Education

Elkay

Accessibility for All: How the ADA Requirements for Drinking Fountains and Sinks Enhance Kitchen and Bath Design

Credits: AIA/HSW, NKBA, PDH ASPE

Learning Objectives:

- Defining the Americans with Disabilities Act.
 - What does ADA mean?
 - The history of ADA.
 - What is the purpose of ADA and what it covers?
- How do ADA requirements affect the plumbing industry?
- ADA Plumbing products in long term care facilities
- ADA in aging-in place homes.

ELKAY

Sustainable, Stylish and Strong: Stainless Steel Sinks Have it All

Credits: AIA, NKBA, IDCEC, ASID

Learning Objectives:

- Review lifestyle design trends that affect home design and how expression is carried over to the sink.
- Examine the kitchen sink characteristics in order to enhance design options.
- Discuss how the look, feel and durability of the Quartz sink is determined by the manufacturing process and the components used.
- Discuss quartz sink attributes including how to integrate into kitchen design and specify.

ELKAY

The Art of Water: Solving Water Delivery Challenges with Bottle Filling Stations

Credits: AIA /HWS, NKBA, PDH ASPE

Learning Objectives:

- Learn about the bottled water industry and its environmental impact
- Understand how Bottle Filling Stations add to the “band” of any building owner, conveying that the owner is environmentally aware, has an aesthetically attractive building and is willing to embrace a culture of conservation.
- Learn about the next generation of water delivery.
- Gain insight into specification considerations.

ELKAY

Lead Lowdown: Exploring the Dangers of Lead

Credits: AIA HWS, NKBA, PHD ASPE

Learning Objectives:

- Definition of lead.
- A look at lead:
 - How it is used.
 - What makes it dangerous.
 - Who is at risk.
 - Lead in schools.
- Learn how lead gets into water and about lead laws.
- Explore options on what we can do.
 - Water testing.
 - Filtration systems.

ELKAY

The Kitchen Sink and Beyond: Design Considerations for the Heart of the Home

Credits: AIA-LU, IDCEC, ASID, NARI, NKBA LU

Learning Objectives:

- Review design trends that affect home design such as sustainability and importance of recyclable materials.
- Explore kitchen planning options and evaluate sink characteristics in order to enhance design options such as durable materials.
- Evaluate how lifestyle is the governing principle in selecting the sink attributes, materials and configuration that fits the kitchen design as well as how to integrate into kitchen specifications.
- Discuss other design considerations for the home such as faucets, countertops and home water drinking solutions.

Continuing Education

HANSGROHE

Champions of Design

Credits: AIA, ASID, IDCEC, NKBA and NARI

Learning Objectives:

- Identify and describe specific projects complete by 5 of the top 10 designers worldwide.
- Discuss the process which focuses on design as an end experience, creating unique and authentic spaces or objects
- Describe the impact of various objects when introduced into the world of design
- The presentation will examine living spaces that are a combination of artistry and function. Distinctive designs that have been imitated and replicated and most of all inspiring.

HANSGROHE

It's a Thirsty World

Credits: AIA-HSW, ASID, IDCEC, NKBA and NARI

Learning Objectives:

- Be able to identify how Agriculture, Industry, Human consumption and Aging Infrastructure are effecting the replenishment of water sources in the United States.
- Examine both national and state regulations on water use and the new requirements for plumbing products that are specified for residential and commercial use.
- Learn how low flow does not mean low performance. Observe how technology and advanced engineering has enhanced the performance of water and energy saving plumbing products.
- Discover how much water and energy are saved by specifying plumbing products that meet or exceed Water Sense.

HANSGROHE

Plumbing 101: What Your Plumber Wishes You Knew

Credits: AIA-HWS, ASID, IDCEC, NKBA and NARI

Learning Objectives:

- Examine both national and state regulations on water use and new requirements for plumbing products that are specified for residential and commercial use.
- Design a bathroom that not only meets the clients' aesthetic requirements, but provides a balance between
- Differentiate between a pressure balancing and thermostatic shower safety valves and convey the operation of the valve with your client.
- Calculate the water consumption of your project to fins possible areas for water conservation.

HANSGROHE

Water Sense? Efficient Shower Technology

Credits: AIA, ASID, IDCEC, NKBA and NARI

Learning Objectives:

- Explore the history of the shower head and technology advancements of the modern bathroom.
- Discover the endless assortment of water efficient showering products that are available today.
- Identify the government product regulations that apply to shower products.
- Distinguish between products that are water efficient versus simply water savings.

HANSGROHE

Design for All– Universal Solutions for the Bathroom

Credits: AIA-HSW, ASID, IDCEC, NKBA and NARI

Learning Objectives:

- Identify the segment of the population with Aging-in-Place needs.
- Understand the seven principles of Universal Design.
- Choose bathroom fixtures that meet the users needs.
- Design a bathroom with proper placement of products in critical use areas.

HANSGROHE

Behind the Wall: Plumbing Secrets

Credits: AIA-HSW, ASID, IDCEC, NKBA and NARI

Learning Objectives:

- Determine the client's need for the shower system.
- Identify the various mechanical shower calves required to fulfill the customers needs.
- Identify the government product regulations that apply to shower products
- Distinguish between products that are water efficient versus simply water savings.

Continuing Education

HANSGROHE

Selling Luxury

Credits: AIA, ASID, IDCEC, NKBA and NARI

Learning Objectives:

- Discover what makes the affluent really buy.
- Learn how to identify the affluent and how they think
- Explore the luxury market and what makes a luxury brand.
- The 5 triggers you can use to sell to the affluent

QUICKDRAINS

ADA Showers – Using Linear Drains

Credits: AIA-ADA

Learning Objectives:

- Understand design and layout options when using linear drains in barrier free/curbless ADA applications
- Recognize when to use linear drain bodies and the use of correct shower drains
- Understand waterproofing options and how they coordinate with linear drains in ADA applications.
- Know the specifications as they relate to linear drains and understand cross section dimensions

MTI

THE WELLNESS TREND

Credits: ASID, IIDA, IDC

Learning Objective:

- Understand the new holistic approach to wellness in society today and the scope of the movement.
- Comprehend the strength and importance of the wellness movement in society today as evidenced by its prevalence in a variety of venues:
 - Spas -- Recognize the popularity, types and expansion of different types of spas as they offer clients varied wellness therapies.
 - Hotels and resorts -- Learn that hotels and resorts are recognizing the importance of the wellness movement by increasing their in-room amenities and wellness focused hotel services.
 - The workplace -- Grasp what corporations are doing to increase and support wellness for their employees in their facilities.
 - At home -- Identify how the wellness movement is influencing and impacting home life, design and environment.
- Grasp the various forms of hydrotherapy and additional sensory therapies and understand their contribution to wellness.

NEWPORT BRASS

The Manufacturing Process and Finishes of Decorative Faucets,

Credits: IDCEC, ASID, IIDA, IDC, NARI

Learning Objective:

- Learn about the manufacturing process of decorative faucets and fixtures
- Understand the different finishes and how they are affected by the geographical location
- Overview of proper prep work and correct installation of bathroom accessories
- Stay current on ADA compliances and design trends which affects health and wellness

GEBERIT

Understanding wall-mount concealed tank toilet systems technology, from space and water savings to hospitality ADA requirements Credits: AIA HSW

Learning Objectives:

- Review toilet styles and determine how to incorporate into bathroom design.
- Examine & compare toilet systems and how they can enhance durability, function and style.
- Discuss installation and mounting options of the wall mounted concealed tank systems.
- Evaluate and review ADA criteria to consider when planning for public buildings & hotel (how wall-hung toilets can be incorporated into ADA requirements)

Continuing Education

DURAVIT

Optimizing Small Bathroom Spaces

Credits: 1 HSW Credit Hour

Learning Objectives:

- Create bathrooms that are small in space but still meet high expectations for hygiene, efficiency, comfort and style
- Discuss ways to use space-saving and multi-functional combination units to provide highly efficient showers, toilets, bidets, storage and lighting in limited space.
- Specify bathroom furniture and equipment that is sustainable and water-efficient without sacrificing performance.
- Describe how small, well-designed bathrooms can meet the growing demand for universal design in large segments of the population

DURAVIT

Sleek Design in Public Spaces

Credits: 1 LU/HSW Credit Hour

Learning Objectives:

- Describe the importance of specifying practical, environmentally responsible, and functional bathroom fixtures
- List the most common standards used to evaluate bathroom fixtures that impact the health, safety, and welfare of occupants
- Explain how specifying thoughtfully designed and ADA-approved bathroom fixtures can improve hygiene, cleanliness, and the overall health and safety of bathroom users
- Discuss the benefits of selecting sleek and attractive modern bathroom fixtures for commercial restrooms

DURAVIT

Bathroom Fixtures as Furniture

Credits: 1 AIA/ IDCEC Credit Hour

Learning Objectives:

- Identify and recognize the characteristics of high quality, furniture grade fixtures used in bathrooms.
- Investigate the material science involved in wood components used in bathroom furniture
- Assess the differences in bathroom furniture production types and their suitability for different applications
- Specify bathroom furniture appropriate to a variety of settings and formulate appropriate selections related to specific designs.

DURAVIT

Lighting the 24-Hour Bathroom: Options for Health, Comfort and Sustainability

Credits: 1 LU/HSW

Learning Objectives:

- Describe how light is measured for effectiveness and sustainability
- Identify the physiology and biology of vision
- Define the types of bathroom lighting
- Explain the emotional impact of lighting on moods
- Discuss bathroom lighting for special situations

DURAVIT

Sensational & Compliant: Accessible Design for the Hospitality Industry

Credits: 1 CEU/LU HSW

Learning Objectives:

- ADA: The Historic Origins of Today's Law and the Impact of the Civil Rights Movement.
- The Evolving Definition/ Perception of "Disability," Its Effect on the Hospitality Industry and Your Design Practice.
- Keep Your Client (and Practice) Litigation Free, Most Frequently Cited Issues and Violations.
- Means and Methods for Sanitary Compliancy without Losing Design Integrity.

DURAVIT

Universal Design: Designing for My Future Self CEU course

Provider: Duravit Length: 60 Minutes Credits: 1 CEU/LU HSW

Learning Objectives:

- Learn how the need for accessible design leads to the development of universal design.
- Understand the key principles of universal design and how they apply to the practice of architecture.
- Analyze products for the kitchen and bath that promote independent living.
- Describe the benefits of universal design.

Continuing Education

WATTS

Smarter, Safer Hot Water Digital Thermostatic Mixing Stations

Credits: ASPE, CPD & CPDT (recertification)

Learning Objective:

- Identify the challenges and dangers inherent to hot water delivery systems in buildings.
- Understand the behavior of POD (Point of Distribution) and POU (Point of Use) mixing valve in a Domestic Hot water system
- Discuss digital advances and water mixing and recirculation stations that maximize burn protection while minimizing the health risks for water borne bacteria in high performance commercial and institutional facilities.
- Review components and codes that determine performance standards for a safe and efficient hot water delivery system.
- Specify an integrated hot water delivery system that can be tied into a building automation system to meet green codes for measurement and verification.

WATTS

Cross-Connection Control & Backflow Prevention

Credits: ASPE, CPD & CPDT (recertification)

Learning Objective:

- Understand the importance of a backflow preventer to the protection and conservation of safe drinking water
- Describe Cross-Connection Control Programs and their importance to Total Backflow Protection
- Understand the backflow preventer selection criteria and how they work
- Understand the typical faults and failures associated with backflow preventers
- Understand the typical troubleshooting and maintenance solutions for backflow preventers

WATTS

Making Intelligent Drainage Choices for Ultra-Hygienic Applications

Credits: ASPE, CPD & CPDT (recertification)

Learning Objective:

- List the major causes and consequences of food contamination
- Identify the primary considerations when selecting drainage for an application
- Analyze and evaluate the performance of drainage materials
- Describe the unique advantages and benefits of a stainless steel drainage system
- Compare the cost effectiveness of cast iron and stainless steel drainage solutions

WATTS

Solutions to Help Control Legionella

Credits: ASPE, CPD & CPDT (recertification)

Learning Objective:

- Identify and recognize the conditions that contribute to the development and growth of legionella in buildings.
- Investigate the importance and makeup of a water management program as identified in ASHRAE 188.
- Assess the solutions available to address legionella in water systems, including those that rely on heat, chemicals, or other means.
- Describe the pros and cons of different water quality solutions that can be effective at reducing legionella outbreaks.
- Achieve a solid foundation of the current requirements and solutions for legionella mitigation .

WATTS

Meeting New Water Quality Mandates in Healthcare Settings

Credits: ASPE, CPD & CPDT (recertification)

Learning Objective:

- Identify and recognize the conditions that contribute to the development and growth of legionella in health-care facilities.
- Investigate the requirements of ASHRAE 188 and the new DHHS policy memorandum related to water quality in health-care settings to reduce the risk of Legionnaires' disease.
- Assess the potential ways to address legionella in water supply, distribution, and drainage systems in health care.
- Specify products that can contribute to compliance with water quality requirements contained in the DHHS policy memorandum and ASHRAE 188.