Never stop learning.

We share our experience and expertise through our CES-registered courses. Our presenters offer participants valuable insight into the direction of our industry by exploring common issues and pragmatic considerations for performance, maintenance, sustainability and more. All presenters are highly knowledgeable in the practical and technical aspects of the presented subject matter. Schedule requirements and availability are flexible. Refer to the following course descriptions for topic details and credit hours.

Contact us to schedule a CES-registered presentation

Wall Protection, Entrance Mats + Grids & Expansion Joints Covers: 800.233.8493
Cubicle Curtains + Tracks: 800.416.1102
Doors: 800.972.7214
Louvers, Sun Controls & Grilles: 800.631.7379
Sustainability: 800.972.7214
Email us: info@c-sgroup.com
CS CONTINUING EDUCATION PROGRAMS

Resiliency

Acoustics, Daylighting and Material Selection

Online Courses
Credits Awarded: Canada Potential
1 Learning Credits, AIA 1 LU | HSW

Learning objectives:
• Examine the issues of acoustics and daylighting in commercial design and construction.
• Identify new design approaches to fulfill contemporary construction requirements.
• Analyze the advantages of various new construction techniques and materials to improve human comfort.
• Compare and contrast the benefits of various building materials in fulfilling current construction challenges.

Designing Buildings to Withstand Natural and Man-Made Disasters through Product Specification

Online Courses
Credits Awarded: 1.25 AIA LU/HSW, 1 AIBD P-CE; 0.1 IACET CEU

Learning objectives:
• List key natural and man-made disasters that affect the built environment.
• Define resilient design and how it benefits cities, communities, and the economy.
• Discuss how designing for resiliency can impact building design and improve occupant health, safety, and well-being.
• Describe the benefits of specifying products designed for resiliency.
• Explain how buildings can achieve a U.S. Resiliency Council (USRC) rating.

The Future of Sustainability and Green Design: Health, Daylighting and Material Selection

Online Courses
Credits Awarded: 1 AIA LU/HSW

Learning objectives:
• Analyze the current approach to green design as it relates to the health and well-being of occupants in the built environment.
• Examine the physiological and psychological benefits of green design principles such as biophilia.
• Compare and contrast the application of building materials that directly impact the health, safety, and wellness of the occupants.
• Identify opportunities for building professionals to specify materials that contribute to indoor environmental quality and occupancy comfort.

Wall Protection

Life Extension for Interior Surfaces

Architects
Program Number: ACROV4
Credit Awarded: 1 LU

Participants will learn:
• What causes damage to interior surfaces
• What is important for selecting appropriate wall protection
• A variety of wall protection applications
• Sustainability matters related to wall protection materials

Life Extension for Interior Surfaces

Interior Designers
IDCEC Class Code: CC-10122
Credit Awarded: 1 LU

Participants will learn:
• What causes damage to interior surfaces
• What is important for selecting appropriate wall protection
• A variety of wall protection applications
• Sustainability matters related to wall protection materials
### CS CONTINUING EDUCATION PROGRAMS

#### Acrovyn® Doors

<table>
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<tr>
<th>Interior Doorways: Life Extension Through Design</th>
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<tr>
<td>Program Number: DOORS 2019</td>
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<tr>
<td>Level: 100</td>
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<tr>
<td>Credit Awarded: 1 LU, 1 HSW</td>
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</tbody>
</table>

Participants will learn:
- Designer and Owner needs for commercial interior doorways
- The pitfalls of traditional doorways and doorway protection
- Industry guidelines and standards for performance
- Doorway design solutions to increase durability
- Specification tips to ensure longevity and quality

#### Cubicle Curtains + Tracks

<table>
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<tr>
<th>Combatting (HAI) Healthcare Associated Infections</th>
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<tbody>
<tr>
<td>Program Number: 1</td>
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<tr>
<td>Level: 100</td>
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<tr>
<td>Credit Awarded: 1 AIA/IDCEC CES LU</td>
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Participants will learn:
- Understand the definition of hospital acquired infections (HAI).
- Identify contributing factors to HAI's.
- Have awareness of the mortality rate associated with HAI's.
- Have awareness of the financial impact HAI's have on the community and our healthcare system.
- Understanding preventions and solutions that can lessen the impact of HAI's.
- Case Studies

#### Entrance Mats + Grids

<table>
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<tr>
<th>Entrance Mats + Grids: Design with the elements in mind</th>
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<tbody>
<tr>
<td>Architects</td>
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<tr>
<td>Program Number: EFS200</td>
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<tr>
<td>Credit Awarded: 1 LU, 1 HSW, 1 GBCI, 1 AAHID</td>
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</table>

Participants will learn:
- What are entrance flooring systems and why are they needed?
- How to reduce maintenance costs and slip/fall accidents
- How to properly design and integrate EFS into your design/building
- Environmental considerations with a focus on LEED® and Cradle to Cradle
- Making a great first impression

#### Expansion Joint Covers

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<tr>
<th>Expansion Joint Covers</th>
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<tbody>
<tr>
<td>Program Number: EJCPR3</td>
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<td>Credit Awarded: 1 LU, 1 HSW</td>
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</table>

Participants will learn:
- Expansion joint cover information
- Key issues & new products relating to today's requirements
- Types of building movements & how to address each through proper design and product selection
- Fire barrier types & options
- How to select the right cover for your project
- Cradle to Cradle Certified™ information

<table>
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<tr>
<th>Planning For Disaster with Expansion Joint Covers</th>
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<tbody>
<tr>
<td>Program Number: AR112019-1</td>
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<td>Credit Awarded: 1 LU, 1 HSW</td>
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Participants will learn:
- Evaluate the primary natural and man-made disasters that affect buildings and understand the differences between hazards and disasters.
- Review hazard mitigation and disaster management techniques.
- Explore construction best practices related to disaster mitigation, including the concept of resilient design.
- Examine expansion joint construction and detailing, as well as the use of expansion joint covers.
**Architectural Louvers**

**Louver Innovation: Advancements in Rain Defense**  
Program Number: LVR200  
Credit Awarded: 1 LU, 1 HSW

Participants will learn:  
- Current trends & initiatives in the louver industry  
- Important guidelines for louver selection  
- How architects & designers address rain entry through louvers into buildings  
- What criteria should be used when specifying louvers  
- Louver selection & design considerations  
- The importance of louver testing and certification (AMCA Standard 500-L wind driven rain testing; Miami-Dade County hurricane testing protocol)  
- The future of louver-enhanced performance coupled with aesthetic flexibility

**Testing Facility Tour + Louver Seminar**  
Program Number: LVRTOUR  
Testing Facility Tour & Louver Seminar  
Credit Awarded: 4 LU, 4 HSW

Participants will learn:  
- All LVR200 content  
- About simulated testing at manufacturer’s facility  
- Tests simulated for attendees:  
  - Air Pressure Drop testing  
  - Point of Beginning Water Penetration test  
  - Wind Driven Rain tests  
  - Dade County/Florida Building Code  
  - Missile Impact testing

**Louver Design and Selection: What Every Architect Should Know**  
Course Number: AEC1041  
Credit Awarded: 1.5 LU/HSW  
Online Course Only

Participants will learn:  
- Important guidelines for louvers selection and their various applications  
- Reducing or eliminating water infiltration  
- Protection from heavy storms and hurricanes  
- AMCA/BSRIA testing procedures and certified rating programs

**Sun Controls**

**Sun Controls: A Sustainable Design Practice**  
Program Number: SHDG1  
Credit Awarded: 1 LU, 1 HSW

Participants will learn:  
- Solutions to manage daylight & reduce solar heat gain  
- Sunlight geometry information  
- Options for conforming to LEED®  
- Economic, environmental & human performance benefits of effective sun control  
- Unique sun control applications & solutions through case histories  
- System components & installation details  
- How to select the right sun control system for your project  
- Cradle to Cradle Certified™ information

**Explosion + Pressure Relief Vents**

**Explosion + Pressure Relief Systems**  
Program Number: EXPLO2  
Credit Awarded: 1 LU, 1 HSW

Participants will learn:  
- What explosion relief is  
- What industries have a true need for explosion venting products  
- Types of explosions & catalysts as they relate to the industry  
- Why explosion venting should be specified  
- Code drivers & their impact on today’s specifiers  
- Explosion venting product selections
Sustainability

Why Sustainability and Material Health Matters to You
Program Number: 1
Level: 100
Credit Awarded: 1 LU, 1 HSW
A concise overview of the foundations of sustainability and material health; giving contextual solutions and mitigation strategies essential to good design.
Discuss origins and scope of contemporary sustainability in order to place its mitigation of environmental and human health issues into a business/world view.
Objectives
• Describe contextual sustainability in order to understand and integrate its beneficial impacts into the design.
• Overlay and relate design and materials selection to human health and environmental impacts.
• Engage others in discussions supportive of selecting healthy and sustainable materials.

Sustainability in the Buildings Market
Program Number: 2
Level: 100
Credit Awarded: 1 LU, 1 HSW
With its LEED v4 Materials and Resources credits the USGBC called for Architects, Designers and Manufacturers to rethink design and reinvent their material selection processes. Redesign/Reinvent: daunting tasks made easier by reviewing best-in-class initiatives, policies and solutions.
Showcase best in class sustainability and material health merged across several market sectors/design influences.
Objectives
• Recognize and/or distinguish sustainable design influences harmonized within the Architecture and Design trade associations.
• Locate and utilize tools and resources that help resolve the data fatigue associated with sustainability and material health information.
• Apply foundational knowledge to everyday design decisions.

Reducing the Complexities of Sustainable Design
Program Number: 3
Level: 200
Credit Awarded: 1 LU, 1 HSW
Sustainable design requires systems thinking in the complex balancing of multiple attribute, numerous requirements, and a variety of products selected on the basis of their impacts and benefits.
Summarize the 5 pillars of sustainability (waste reduction, water conservation, energy efficiency/CO2 reduction, material health, social responsibility) in order to optimize material selection supportive of overall design.
Objectives
• Identify and select the green building standards and environmental certifications/declarations that help achieve your sustainability goals.
• Engage others in discussions supportive of selecting healthy and sustainable materials.
• Apply foundational knowledge to everyday design decisions.

Navigating The Material Health Landscape for Designing Healthy Buildings
Program Number: 4
Level: 200/300
Credit Awarded: 1 LU, 1 HSW
This session will provide an overview of the foundations of sustainability and material health for the purpose of identifying contextual solutions and strategies essential for designing healthy buildings. Participants will learn how certifications, and declarations can help them design healthy buildings. It shouldn’t be a battle for the best label, but rather the best products for your building.
Objectives
• Be conversant as to the origins and scope of contemporary sustainability in order to place its mitigation of environmental and human health issues into a business/world view.
• Understand the design/materials connection to human health and environmental impacts.
• Meet the stakeholder’s sustainable design requirements using multiple environmental and human health attributes to guide and determine the material selection and approval process.