

AIA CES Approved Courses:

Making the Right Choice: Window Wall, Curtain Wall or Storefront

1LU/HSW | Course Code: EP0820

While window wall, curtain wall, and storefront systems may serve a similar purpose, they each offer a wide range of unique characteristics and varying aesthetics. Understand how to select the best system for your application to help ensure success on your next project.

Thermal Performance Modeling for Glass & Glazing Systems

1LU/HSW | Course Code: EP4000

Learn to quickly evaluate glazing options using key metrics like U-Factor and Solar Heat Gain Coefficient for gateway sizing or project specific applications, enabling informed decisions to improve sustainability, reduce revisions, optimize budgets, and elevate designs to help drive building performance and ensure maximum project impact.

Curtain Wall Design Applications

1LU/HSW | Course Code: EP1300

This course explains how, what, and why some curtain wall systems will work and why others will not. It will examine the strengths and weaknesses of various types of curtain wall system applications, and explore how project designs, wind loading, and thermal requirements can impact which system is ideal for each application.

Fenestration Performance Testing - Critical Considerations to Ensure Success

1LU/HSW | Course Code: EP0710

Product testing is a critical part of every project's success, but its importance is often misunderstood or overlooked until well into the project's life and schedule. This course is designed to help you navigate the options toward the appropriate balance of testing to meet your building objectives.

Mitigate Extreme Threats with Security Glazing Systems

1LU/HSW | Course Code: EP2200

Certain types of buildings can be targets for planned attacks or at risk for opportunistic threats. Designing with security glazing and framing for schools, healthcare facilities, retail stores and more can help manage this risk. This course will examine the different types of safety and security glass, forced-entry-resistant glazing systems, industry-recognized testing standards, and design considerations for balancing security with function.

Factory-Glazed Envelope Systems - Benefits & Application

1LU | Course Code: EP01002

Prefabrication has progressed to a customizable manufacturing process that expedites timelines and provides a response to the current labor shortage. Prefabrication processes can address issues in the supply chain, environment, and waste streams. Recognize when to specify curtain wall and window wall systems as prefabricated, unitized systems, or as standard stick assembly to mitigate risk and delay.

Balancing Health and Performance Benefits Through Natural Lighting

1LU/HSW | Course Code: EP1403

Proper design, planning, and application can ensure effective and successful use of glass and glazing systems in buildings to maximize light, while offsetting thermal heat gain and ensuring occupant safety and code compliance.

Glass Performance - Understanding Commercial Applications and Design

1LU | Course Code: AG05002

This course is designed to explore insulating glass units and laminated glass, including understanding glass substrates, coating technologies, and the ways in which they enhance building performance and aesthetics.

Glass 101

1LU | Course Code: AG0102

Understanding key elements about the history, production, and types of glass can assist in the development of plans or execution of projects. This course will provide the history of architectural glass as well as discuss the current production and preparation techniques. From the creation of a sheet of glass, to fabrication, to the assembly of several final products, participants will be led through every step in the production process.