



## Approved AIA CES Courses provided by Loewen – March 2021

### **Course Title: Architectural Residential Timber Curtain Walls**

Course Code: LOETCW0318

1 LU | HSW

Description:

An investigation of residential glass wall systems with emphasis on larger glass assemblies, contemporary features, minimal profiles. Highlighting the ideal environmental applications, structural requirements and performance benchmarks when selecting any glass facade.

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### **Course Title: Advanced Environmental Finishes for Windows and Doors**

Course Code: LOEAEFINISH20

1 LU | HSW

Description:

Participants of this course will learn how different paint and anodized finishes rate when compared to architectural specifications. Sustainable materials and cradle-to-cradle considerations are provided. Participants will also learn about the application process to assure informed decisions can be made for specific environments.

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### **Course Title: Fenestration Installation for High Performance Residential Building Envelopes**

Course Code: LOEHPBENV21

1 LU | HSW

Description:

Improper design and/or non-conforming application of building envelope materials has been demonstrated to cause premature building envelope failure. Architects may specify premium materials, but shortcuts and errors in the final installation can impact budgets, time frames, building life span, and increase legal liabilities. As one of the elements that bisect the interior/exterior plane, window and door integrations are a critical element of the building envelope as a whole. Poor installations can carry significant liability, due to building envelope failure. This course will review the components of a building envelope, their role in managing air and moisture infiltration, how windows and doors factor into this equation, and general installation processes for high performance residential fenestration.

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### **Course Title: Storm and Hurricane Protection for Residential Homes**

Course Code: LOESTFRC20

1 LU | HSW

Description:

Architects need to ensure that the products they specify will meet or exceed their customer's needs in coastal applications. Storm-resistant luxury products should meet the following criteria:

- Certification - windows & doors have to be weather resistant & code compliant
  - Design Flexibility - multiple product styles, shapes, and glazing options
  - Minimal Maintenance - extruded aluminum, copper and bronze cladding, durable paint finish
  - Component Durability - stainless steel hardware options
  - Warranty - guarantee of product
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**Course Title: Using Acetylated Wood to Improve the Sustainability and Durability of Wood Windows and Doors**

Course Code: LOEACWD2020

1 LU | HSW

Description:

Builders and architects in North America are always looking for new ways to incorporate sustainable and cost-saving materials. Wood is known as a visually appealing material but has inherent limitations when it absorbs water. Acetylated wood has several benefits, including increased dimensional stability, water resistance, and a longer lifespan. Its use in construction projects helps contribute to LEED points and it has a negative carbon footprint. This course will introduce and describe acetylated wood and how it's made as well as the many benefits of acetylated wood in window and door applications.

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**Course Title: LOEWEN WINDOWS AND DOORS - A Video Tour of the Manufacturing Process**

Course Code: LOEVTOUR20

1 LU

Description:

A video tour of the Loewen manufacturing plant where uniquely crafted windows and doors have been made with passion and precision for over a century. Discover the craftsmanship of Loewen's dedicated artisans, supported by state-of-the-art, automated technologies. Wood, glass, and metal are hand-selected, and components and hardware undergo rigorous testing and inspection to ensure that their performance, feel and operation are luxurious. Known for producing handcrafted windows and doors using authentic materials, Loewen designs are enduring, both aesthetically and in performance.

For more information and to schedule a course presentation, please contact Diane van Horn at [dianevanhorn@loewen.com](mailto:dianevanhorn@loewen.com).