



### **Big Glass in Residential Windows and Doors, Production, Properties and Performance**

1.0 LU/HSW Provider: Loewen

Bigger Glass trends are driven by the ever-increasing size of residential spaces. Oversize architectural fenestration has unique issues and requires key understanding of structural demands on the design and engineering of glass assemblies.

### **Architectural Residential Timber Curtain Walls**

1.0 LU/HSW Provider: Loewen

An investigation of residential glass wall systems with emphasis on larger glass assemblies, contemporary features, minimal profiles, and sightlines.

### **Using Acetylated Wood to Improve the Sustainability and Durability of Wood Windows and Doors**

1.0 LU/HSW Provider: Loewen

This course will introduce and describe acetylated wood and how it's made as well as the many benefits in window and door applications.

### **Large Opening Doors: Function, Control, and Integration**

1.0 LU/HSW Provider: Centor

Review hardware systems for large format doors (Function). Review insect, light, and solar protection for large openings (Control). Review stand-alone door systems that integrated control devices into single frames (Integration).

### **Assessing Residential & Historic Window and Door Specifications**

1.0 LU/HSW Provider: Norwood

Better understand the choices & how to specify windows and doors for historical, institutional and luxury residential projects.

### **Solid Wood Stile & Rail Doors**

1.0 LU/HSW Provider: Heartwood

A look at stile & rail doors starting with a historical perspective and tracking the evolution of their construction through today, showing and discussing component materials and methods of manufacturing, and relative pros and cons of each.

