



# Thermal Control Fundamentals AIA CES Course

## Building Enclosure Control Fundamentals – Part 2 of 3

AIA CES Course Number: CDP106 · AIA CES Provider Number: K203 · 1 Hour / 1 Learning Unit

### Course Description

Control of building enclosure energy loss is critical for avoiding condensation and to achieve high levels of energy efficiency. However, buildings haven't gotten much better in this regard over the years. In this presentation, the fundamentals of thermal control are presented and applied to modern buildings. Effective methods of addressing thermal bridging, with a focus on continuous exterior insulation, will be discussed through illustrations of common wall assembly details.

### Learning Objectives

**At the end of the this course, participants will be able to:**

1. Understand the importance of building enclosure thermal control for high performance buildings.
2. Understand the building science fundamentals of thermal control for enclosures.
3. Understand various insulation material options.
4. Apply building science fundamentals to thermal control for detailing high performance building enclosures.



Credit(s) earned on completion of this course will be reported to AIA CES for AIA members. Certificates of Completion for both AIA members and non-AIA members are available upon request. This course is registered with AIA CES for continuing professional education. As such, it does not include content that may be deemed or construed to be an approval or endorsement by the AIA of any material of construction or any method or manner of handling, using, distributing, or dealing in any material or product.