



AIA-Approved Course Offerings

Residential Green Certification: Demystifying the Process

#GB-20220322 | 1 LU

Successful green building certification requires thoughtful planning that incorporates sustainable theories in the earliest stages of design. This session will explain how to manage certification for single and multifamily buildings, new construction, and renovation.

Keeping Buildings Dry

#SK-20220617 | 1 LU-HSW

Moisture in buildings must be managed effectively to assure long term durability, comfort, and health of the occupants. Understanding the various options on wall weather and air barriers, roofing, and below grade waterproofing are critical to successful moisture management.

Zero-Energy Multifamily Buildings

#SK-20220623 | 1 LU-HSW

Zero-energy buildings are the holy grail for many project teams. They are achievable but face significant challenges in design, construction, and operation. Multifamily buildings have particular challenges due to individual tenant utilities and difficulty in controlling energy use in each apartment. This presentation will provide recommendations on how to aim for zero-energy design.

Course Objectives

- Understand the key components of green building
- Learn how to design a building to meet green certification criteria
- Understand the key components of main national green certification programs
- Understand how to prepare for the certification process and avoid pitfalls

- Understand Building Control Layers
- Planning for Effective Moisture Control
- Learn How to Manage Vapor with Building Enclosure Design
- Learn how to Avoid Problems in Building Enclosure Design

- Understand how to incorporate key strategies into designing a zero-energy multifamily building
- Learn about high performance mechanical systems in multifamily buildings and how they contribute to zero-energy performance
- Understand how to incorporate passive design features to reduce energy use

CONSULTING | TESTING | ENERGY AUDITS | CERTIFICATION

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