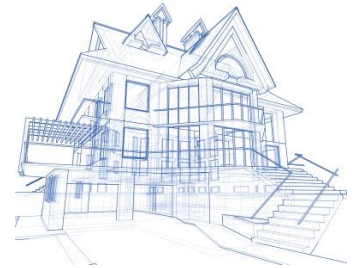


Massachusetts CSL Required Competency

Course #AIABLT1307



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 or any material of construction or any method or manner of handling, using, distributing, or dealing in any material or product.

Course Description

This six hour course fulfills all CSL continuing education renewal requirements. The fully narrated course will satisfy the following required topics: Code Review (1 HR), Workplace Safety (1HR), Business Practices/Workers' Compensation (1 HR), Energy (1 HR), and Lead Safe Practices (2 HRs).

After completing this course participants will be able to:

- Explain the changes made to the 2009 International Conservation Codes and how those changes can ultimately reduce and conserve energy consumption.
 - Recognize the hazards inherent at a construction jobsite, and describe ways to prevent them.
 - Outline the regulations surrounding Massachusetts' Workers' Compensation and determine how best to both protect employees and manage costs.
 - Identify the hazards associated with lead paint disturbance, and the rules that surround the industry when renovating.
 - Explain some of the cost savings in both labor and materials associated with energy efficient systems.
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COURSE OUTLINE

Chapter 1- MA Energy Code

**Learning Objectives:* 1) Explain the changes made to the 2009 International Conservation Codes.
2) Understand what measures can be taken to incorporate these changes into construction projects/design. 3) Recognize how the changes can ultimately reduce and conserve energy consumption.

1. Scope
2. Compliance
3. Building Envelope
4. Mechanical Systems
5. MA Stretch Code

Chapter 2- Workplace Safety

- *Learning Objectives:** 1) Understand and describe the basic components of a construction safety program.
2) Be able to recognize the hazards inherent at a construction jobsite, and describe ways to prevent them.
3) Discuss the responsibilities of both the employer and employee in observing safety practices.

1. Safety Programs
2. PPE
3. Fall Protection
4. Stairs and Ladders
5. Scaffolds
6. Excavation
7. Electricity
8. Materials Handling

Chapter 3- Time Management

- *Learning Objectives:** 1) Describe how to develop a Critical Path 2) Explain the features of an Activity Node.

1. Subcontractors
2. Critical Path

Chapter 4- Quality Control

- *Learning Objectives:** 1) Describe the benefits of good communication with subcontractors. 2) List several elements of a construction Daily Log Book.

1. Management
2. Materials
3. Daily Log Book
4. Standards

Chapter 5- Erosion Control

**Learning Objective:* 1) Understand the contractor's responsibility for erosion control.

1. Best Practices
2. Sediment Fences

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