

# Energy Efficient Building

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## COURSE SYLLABUS

### Course Description

Even as technological innovation creates new construction possibilities, incorporating energy-efficiency into building projects can not only provide a better quality of life, but also protect the environment. A comprehensive approach to resource and energy efficiency is the best method to achieve a resource and energy efficient building. This one hour course will help builders identify important considerations and then apply those principles to a specific project.

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### Energy Efficient Building

**\*Learning Objectives:** 1) Have an appreciation for energy consumption and the need for healthy, "green" energy. 2) Understand the importance of building placement on the lot, "Brownfield" site clean-up methods and the need for soil erosion control and basic methods. 3) Have an understanding of material properties, recycling and finally, the process for LEED certification.

1. Environmental Concerns and Implications
2. Evaluating the Site and Remediation Strategies: Building

orientation, erosion, water

3. "Green" power generation: solar, performance, varying sources

4. Photovoltaic, geothermal, recycling, air quality, LEED Rating System

## **Assessment**

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Course instructors will be available by email or telephone between 9am and 5pm Eastern Standard Time. They will assist you with questions regarding course content.

If you have any questions, please call us at 1-800-727-7104 or send an email to [info@licensetobuild.com](mailto:info@licensetobuild.com). Email responses will usually be returned promptly, but guaranteed within one business day.

Student policies and procedures are always available by going to [www.licensetobuild.com](http://www.licensetobuild.com) and scrolling to the bottom of the page (See Privacy and Refund Policy).