



# Home Energy Auditor Training (HEAT)

LEED Council and eZing, Inc. are offering **Home Energy Auditor Training (HEAT)**, a FREE job-skills training program designed to prepare trainees to perform a variety of residential energy auditing services. Successful graduates will have the opportunity to become a "**Building Analyst**" certified by the nationally recognized **Building Performance Institute (BPI)**.

Funded by the Illinois Department of Commerce and Economic Opportunity, this program is intended to serve unemployed and underemployed individuals who have a strong desire to begin a career in the field of Home Performance. The HEAT curriculum is based on current building-science principles and best practices in home energy auditing and weatherization. **Classroom-, workshop- and field-based training** will include:

## The Environment, Building Science and Energy Efficiency:

- Green building principles, residential architectural styles and implications for auditing and weatherization
- Building science principles and the "whole house" approach to home-performance analysis
- Building envelopes, with an emphasis on the performance of air and thermal barriers
- Mechanical systems and home appliances: energy rating, installation, operation and performance
- Building "tightness" and air quality; minimum ventilation standards; compliance measures and costs

## Home Energy Auditor Practices:

- Initial (exterior) photos, safety checks and consultation with the home owner on building performance
- Diagnostic testing (**blower door, infra-red camera and duct blaster**): principles, demonstration and practice
- Envelope improvements: cost effectiveness of component replacements, materials and methods of installation
- HVACR equipment and home appliances: combustion safety testing, specifications, performance and controls
- Energy-auditing software: calculating, reporting and recommending home performance improvements

## TRAINEE ELIGIBILITY CRITERIA:

- **Must live in the City of Chicago.**
- **Must demonstrate respect for homes of others**—occupants, contents, and structures. Must dress and behave appropriately for in-home consultations and inspection work.
- **Must be capable of reading and doing math at 10<sup>th</sup> grade level or higher**, in order to:
  - review utility data; measure and calculate volumes of spaces; and estimate costs
  - learn computer software programs related to the work of a home energy auditor
  - apply safety regulations, as required for BPI certification
- **Must be able to perform the physical work** required for home energy auditing:
  - work in challenging conditions: extreme weather, high/low interior temperatures, poor building condition, poorly lit and ventilated areas
  - lift up to 75 lbs; carry, hoist and climb ladders; carry and position blower door equipment
  - get in and out of crawl spaces and attics, work in physically awkward or demanding positions
- **Must be determined to successfully complete the HEAT training and BPI certification processes. Must be committed to auxiliary components of the training program, as required, including:** adult education, computer skills training, career exploration, and job search.
- **Must be determined to secure job placement** in a related trade or occupation.

## DETAILS:

**Training Period:** February 27 (Monday) – April 20, 2012 (Friday)  
**Training Length:** 8 weeks  
**Training Days/Times:** Monday - Friday, 8:30 a.m. – 4:00 p.m.  
**Location:** LEED Council (address below)  
**Contact:** **Ebony McLaurin, Client Services Coordinator, 773-929-5552, ext. 228**  
**Enrollment:** Must call to reserve slot at information session. No walk-ins.

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