

Building Analyst

COURSE DESCRIPTION

This training program will prepare students for the Building Performance Institute's Building Analyst (BPI) online and field tests and will provide a new way of thinking about residential buildings. Participants will come to understand how the house works as a system, why some homes fail, and how to use the latest building science technology to help resolve residential heating, cooling, base load, and building air leakage problems. By using the "whole-house" performance-based approach, a comprehensive range of interrelated building issues is addressed and clients will be provided with a more comfortable, safe, durable, and energy-efficient home.

Prerequisites:

- Basic Math and Reading Skills (8-9 grade level)
- Basic Building Science background is strongly recommended

Schedule:

The Building Analyst Course consists of 24 hours of classroom instruction and 12 hours of field training for a total of 36 instructional hours.

Training Topics:

- Health and Safety Issues
- Fundamentals of Building Science
- Identify Building Performance Problems Including Ice Dams, Mold and Mildew, and Indoor Air Quality Issues
- Energy Consumption and Analysis
- Analyze Buildings Using "Blower Door" Technology and Other Diagnostic Equipment
- Assess Building Tightness, Mechanical and Distribution Systems, and Combustion Safety For a "Whole-House" with a Performance-Based Approach
- Building Airflow Standard
- Heat Loss Calculations For Existing and Improved Conditions
- Practical Application of "Blower Door," Combustion Safety Testing, and Other Diagnostics for Assessing Air Leakage and Efficiency In Buildings

NYSERDA's Workforce Development Program, offers energy efficiency and building science courses through training partners across New York State. This training is recognized by the Building Performance Institute (BPI) and prepares students for BPI certification exams.

The curriculum for the training courses was developed under contract and is the property of NYSERDA. This popular curriculum is available to other training entities through licensing agreements with NYSERDA. Schools, energy service providers, private industry, and public entities have used this curriculum, saving them time and money and giving them the ability to begin training programs immediately.

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