

# Applied Case Studies - Cape Cod, Ranch, Colonial

## COURSE DESCRIPTION

Successfully completing residential energy efficiency projects requires not only a whole house-approach where auditors and crews are looking at all of the systems in the house, but a complete knowledge of the type of housing stock that they are working on. Training focused on specific types of residential housing is necessary to fully understand the make-up, nuances, and the distinct differences in homes that auditors and crews should take into account when approaching their work. This three-day training series will explore cape cod; balloon- and platform-framed colonial; and ranch and raised ranch construction in extreme detail using in classroom techniques and real-world case study analysis to show what works and how to improve the performance and efficiency of field personnel. By taking a case study approach, students will learn from real-life performance models. The goal of this session is to assist auditors in achieving a well-rounded work scope, assist crews in meeting or exceeding goals, reinforce health and safety issues, and provide a thorough review of each of the housing types selected. This course is approved by the Building Performance Institute (BPI).

### Prerequisites:

- General knowledge of housing science
- Experience with blower door and other home diagnostic equipment
- Basic math skills

### Schedule:

This training series will be held over three consecutive days for a total of 24 hours of instruction. For more information contact NYSWDA.

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).

**To register for Applied Case Studies - Cape Cod, Ranch, Colonial, contact Matthew Redmond at [mredmond@nyswda.org](mailto:mredmond@nyswda.org) or call 315-701-0440.**

### Training Topics:

- Examination of Construction Details for:
  - Cape Cod
  - Two-story Colonial Balloon/ Platform-Framed
  - Ranch/Raised Ranch
- Case Study Analysis of Each Housing Type with Guidance on:
  - Auditing Strategies
  - Defining Thermal and Pressure Boundaries
  - Air Sealing and Series Leakage Sites
  - Crew Strategies and Performance
  - Use of Appropriate Tools and Materials
  - Use of Infrared Thermography
  - Health and Safety Concerns

