

Weatherization 101 (Wx 101)

BPI CEU's: 3.25

Prerequisites: None

Description:

This is a one-day class that covers principles and theories of building science, as well as basic techniques and strategies used in weatherization. We will be focusing on the house as a system concept and discuss how the measures we install affect the home's pressure, moisture and temperature, and the overall "big picture" as it relates to building science. Further, we will cover the importance of understanding baseload, ventilation, weatherproofing, and mechanical measures as well as performing diagnostic testing. This course is a combination of classroom and lab components.

Learning objectives:

By attending this session, participants will be able to:

- Discuss possible interactions of different home elements
- Recognize possible effects of changes made during weatherization
- Locate and recognize thermal and pressure boundaries
- Describe how driving forces effect home performance
- Illustrate the link between air leakage, energy waste and moisture problems
- Explain the principle behind the blower door and other diagnostic tools
- Convey the need for ventilation and the related options and guidelines
- Define need for weatherproofing any created building penetrations
- Identify the importance of combustion safety throughout the work scope
- Outline the impact of baseloads with regard to energy saving potential
- Identify program fenestration repair and replacement perspective