

Residential Energy Analyst Training

Energy Analyst Course

This course is designed for the comprehensive evaluation and documentation of a performance based energy audit of the building shell, assessment of the efficiency and safety of the mechanical systems, and to establish the most cost-effective weatherization strategy using skills learned in the course. Topics include; principles of energy and the building shell, energy auditing, air leakage and the dynamics of pressure differentials, insulation types, windows and doors, heating and cooling systems, indoor air quality, lighting and appliances, water heating, and health and safety. Hands-on training in the lab with diagnostic tools, blower door, and duct blaster are included. This is an intensive week long training course.



Weatherization Installer Courses

Weatherization Installer - Stick Built Homes. Two days in the classroom and two days of hands-on lab and installation of stick-built home measures (installing attic, wall and floor insulation, replacing windows and doors, and sealing ducts).

Weatherization Installer - Mobile Homes. This course focuses on demonstration and hands-on application with two days in the classroom and two days of hands-on lab installations. Students get their hands dirty installing attic, wall and floor insulation, replacing windows and doors, and sealing ducts on manufactured (mobile) homes.



It's easy!

All equipment provided - Online registration
Mobile training options - Customized courses

Diagnostic Technician Course

Participants become familiar with gas appliance components and operational characteristics with the goal being competent inspection and testing. "Worst Case" draft and CO testing are featured. HVAC duct leakage topics include how duct leaks can impact occupant safety, building durability, HVAC system performance, and energy consumption. Participants will learn how to use diagnostic tools such as the blower door, duct blaster, combustion analyzer and flow meter. Participants will learn to use a digital manometer to measure appliance draft, combustion appliance zone (CAZ) depressurization, and room-to-room pressure imbalances. Hands-on work in the lab is included in this session. This course will also cover CO health effects, CO alarms, how CO is produced, and proper inspection, testing and mitigation techniques.

Weatherization Crew Leader

This two day course provides training in work order preparation, crew supervision, job planning and execution, materials selection and ordering, and processing paperwork. It includes a job planning exercise and a visit to the job site. Successful candidates will be able to plan, manage, and complete weatherization installation projects. This class is not just for people who run crews - it will help anybody in the organization who works with contractors and must facilitate or expedite projects.

Quality Control Inspector

This training consists of one day in the classroom discussing aspects of quality control, quality assurance and quality supervision, in addition to discussing how to conduct quality inspections. The second day is in the field, inspecting both stick built and mobile homes that have recently undergone weatherization measures. Trainees will each conduct inspections of the homes, and then return to the classroom to discuss results and further courses of action. The third morning includes an in-depth review of the exercises completed the previous day, and the afternoon is set aside for the written exam.

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