

Click on a course below to see a full description

[BLOWER DOOR USE \(BDU\)](#)

[BASIC WEATHERIZATION TACTICS \(BWT\)](#)

[CONSUMER ENERGY EDUCATION \(CEE\)](#)

[HEATING TECHNICIAN \(HTT\)](#)

[HEATING TECHNICIAN REFRESHER \(HTR\)](#)

[INTRODUCTION TO INSPECTION](#)

[INITIAL INSPECTION: \(IINS\)](#)

[INSPECTOR SERIES REFRESHER \(INSR\)](#)

[CREW LEADER OPERATIONS](#)

[NATIONAL ENERGY AUDIT TOOL / MOBILE HOME ENERGY AUDIT \(NEAT/MHEA\)](#)

[OSHA 10](#)

[EPA LEAD RENOVATION, REPAIR & PAINTING INITIAL \(RRP – I\)](#)

[EPA LEAD RENOVATION, REPAIR & PAINTING REFRESHER \(RRP – R\)](#)

[LEAD ABATEMENT CONTRACTOR/WORKER – INITIAL \(LAC- I\)/ \(LAW-I\)](#)

[LEAD ABATEMENT CONTRACTOR – REFRESHER \(LAC – R\)](#)

[LEAD INSPECTOR INITIAL \(LI\)](#)

[LEAD RISK ASSESSOR INITIAL \(LRA\)](#)

[LEAD RISK ASSESSOR – REFRESHER \(LRA – R\)](#)

[HEATING UNIT INSPECTION \(HUI\)](#)

[HEAT PUMP/AIR CONDITIONING \(HP/AC\)](#)

[ENERGY AUDITOR PREP COURSE](#)

## **BLOWER DOOR USE (BDU):**

This one-day class is designed to instruct field personnel in the basic use of our most valuable tool, the Minneapolis Model 3 Blower door. Students will spend time in the classroom learning and discussing the use of the blower door and then spend time in the field implementing the knowledge they have gained.

**NO PREREQUISITE**

**Contact Hours: 8**

**REQUIRED MATERIALS: Ohio Weatherization Field Guide**

## **BASIC WEATHERIZATION TACTICS (BWT):**

This three-day course introduces field personnel to basic weatherization practices and techniques.

**PREREQUISITES: BDU**

**Contact Hours: 24**

**REQUIRED MATERIALS: Ohio Weatherization Field Guide**

## **CONSUMER ENERGY EDUCATION (CEE):**

A One-day class is designed to enhance communication techniques with a wide variety of consumers. This class will train the students how to educate and involve the people living in the home to participate within the energy efficiency process.

**NO PREREQUISITE**

**Contact Hours: 8 hours**

**REQUIRED MATERIALS: NONE**

## **HEATING TECHNICIAN (HTT):**

This five-day course is geared toward field personnel who are planning to become furnace technicians. Participants will have classroom guidance explaining how to properly repair and maintain various types of heating units and lab time to practice cleaning and tuning residential gas furnaces. This course will emphasize the importance of mechanical and electrical troubleshooting methods through hands-on practice. The participants will learn in depth heating systems wiring and how to properly read wiring schematics as well as how to use an electrical multi-meter to check heating components.

**PREREQUISITES: HUI**

**Contact Hours: 32**

**REQUIRED MATERIALS: OWFG, NFPA 54, 211 & 31**

## **HEATING TECHNICIAN REFRESHER (HTR):**

This three-day course is a refresher/recertification for field heating technicians. It focuses primarily on house heating units, domestic hot water tanks and combustion analysis of both. National, state, and local codes are reviewed and discussed. Classroom and lab time are equally weighted to ensure that the participant has exposure to all relevant facets of heating mechanics and theory.

**PREREQUISITES: HTT**

**Refresher every 3 years**

**Contact Hours: 24**

**REQUIRED MATERIALS: OWFG, NFPA 54, 211 & 31**

## **INTRODUCTION TO INSPECTION:**

This one-day course is designed to acquaint the prospective inspector with the basic requirements of the initial inspector. Participants will be introduced to the history of the weatherization program as operated in Ohio. Students will use basic math procedures and calculations necessary to perform an initial inspection and will utilize that knowledge in classroom exercises. Introduction to the Ohio Weatherization Field Guide (OWFG) as well as NFPA codebooks. Students will explore the role of codebooks in the weatherization program.

**PREREQUISITES: NONE**

**Contact Hours: 8**

**REQUIRED MATERIALS: OWFG, NFPA 54, 211 & 31**

## **INITIAL INSPECTION: (IINS)**

This four-day course introduces participants to techniques and equipment necessary to perform a thorough and accurate pre and post weatherization housing shell inspection. The prospective inspector learns efficient auditing techniques, including the importance of accurately using diagnostic equipment (blower door, infrared camera, baseload meter, digital camera, etc.). The participants then create work orders from virtual and real house situations. Participants will learn quality control procedures, which ensure the thorough and effective installation of all specified weatherization measures. This quality control "final inspection" also includes a consumer education component to help the residents understand, and properly deal with the differences created by weatherization of their residence. Within 60 days after completion of the classroom and lab training, each participant receives a full day in-field follow-up with an instructor. This follow-up includes observation of an initial inspection, including heating unit inspection as well as a quality control final inspection.

**PREREQUISITES: INTRO INSP, BWT, HUI**

**Contact Hours: 32**

**REQUIRED MATERIALS: OWFG, NFPA 31, 211 & 54**

## **INSPECTOR SERIES REFRESHER (INSR):**

This three-day course serves as a recertification for experienced personnel as well as an outlet concerning new information and regulations. Hands-on labs and field exercises serve to reinforce and refresh the individuals on proper inspection procedures.

**PREREQUISITES: IINS**

**Refresher every 3 years**

**Contact Hours: 24**

**REQUIRED MATERIALS: OWFG, NFPA 31, 211 & 54**

## **CREW LEADER OPERATIONS:**

This one-day course prepares candidates who are intending to sit for the Building Performance Institute (BPI) Crew Leader certification. This course will ensure that quality and supervise the installation and performance of weatherization measures defined in each project's work scope developed during the auditing/estimating process.

**PREREQUISITES: BWT, CEE, OSHA 10,**

**Contact Hours: 8**

**REQUIRED MATERIALS: Ohio Weatherization Field Guide**

## **NATIONAL ENERGY AUDIT TOOL / MOBILE HOME ENERGY AUDIT (NEAT/MHEA)**

This two-day class explains how the evaluation of homes to be weatherized can be facilitated by using NEAT, a Department of Energy approved residential energy audit tool. The NEAT classroom students learn the use of the computerized auditing tool that helps simplify the identification of measures that should be completed on the homes in the field. Savings-to-Investment Ratios (SIR) are calculated by the computer program to identify cost effective measures.

**NO PREREQUISITES**

**Contact Hours: 16**

**REQUIRED MATERIALS: NONE**

## **OSHA 10**

This ten (10) hour course is provided over a two-day period and is intended to provide entry level construction workers and related fields information about their rights, employer responsibilities, and how to file a complaint as well as how to identify, abate, avoid and prevent job related hazards on a construction site. The training covers a variety of construction safety and health hazards which a worker may encounter at a construction site.

**NO PREREQUISITES**

**Contact Hours: 10 hours**

**REQUIRED MATERIALS: NONE**

## **EPA LEAD RENOVATION, REPAIR & PAINTING INITIAL (RRP – I)**

This one-day training is required for all contractors and workers who are performing renovation and remodeling activities in pre-1978 housing units, including general rehabilitation workers, such as weatherization workers, painters and carpenters. Contractors and workers attending the training will be listed by the US Environmental Protection Agency (EPA) and Ohio Department of Health (ODH) as certified to perform lead-hazard control activities, except abatement, in pre-1978 residential housing and child-occupied facilities. The training is also required for those who cannot provide verification of attending the appropriate lead-safe training previously. The training topics include lead-based paint and lead poisoning history, health effects of lead poisoning, lead-based paint laws and regulations, identifying and controlling lead-based paint, lead-safe renovation and remodeling, resident protection and worksite preparation, working lead safe, cleaning up in a lead-safe manner and lead-safe waste management. Participants completing this training will receive the U.S. EPA Lead RRP Certification and the Lead Essential Maintenance Practice certificate offered by the ODH. *Re-certification is required every five (5) years under EPA rule for RRP.*

### **NO PREREQUISITES**

**Contact Hours: 8**

**MATERIALS REQUIRED: NONE**

## **EPA LEAD RENOVATION, REPAIR & PAINTING REFRESHER (RRP – R)**

This ½ day (4 contact hours) course is for individuals who have already completed EPA Renovation, Repair, and Painting – Initial Training, and are renewing certification. Re-certification is required every five (5) years under EPA rule.

Proof of previous RRP certification is required to enroll in this course (must provide documentation or certificate number). This 4-hour course satisfies the requirements of the EPA for contractors that routinely disturb lead-based paint, or work on pre-1978 housing, in the course of their work. *This four-hour training is required for those holding a current Ohio Lead Abatement Contractor License.*

### **PREREQUISITES: RRP CERTIFICATION**

**Refresher every 5 years**

**Contact Hours: 4 hours**

**REQUIRED MATERIALS: NONE**

## **LEAD ABATEMENT CONTRACTOR/WORKER – INITIAL (LAC- I)/ (LAW-I)**

This five-day training, designed for residential housing rehabilitation contractors, general contractors, project designers and policy makers, presents the EPA model abatement supervisor curriculum and augments it with a number of additional topics. The focus is on identification of proper work practices and job specifications for a variety of abatement techniques for paint, dust, and soil. The training will also help participants choose the most cost-effective abatement methods. The training topics include health effects of lead poisoning, lead background and history, routes of exposure and sources of lead, lead in housing, legal and insurance issues, lead testing and inspection, worker protection, planning for abatement and abatement protection. Training is based on the July 2012 HUD Guidelines, OAC 3701-32 and applicable sections of the RRS. Those successfully completing this training are eligible to sit for the State of Ohio licensure exam. *The refresher training must be completed every two years in order to maintain licensure in the State of Ohio.*

### **NO PREREQUISITES**

**Contact Hours: 40**

**REQUIRED MATERIALS: NONE**

## **LEAD ABATEMENT CONTRACTOR – REFRESHER (LAC – R)**

This one-day training is designed for the professional who currently has an Ohio Lead Abatement Contractor License and is seeking to renew licensure. The refresher training must be completed every two years in order to maintain licensure in the State of Ohio. Therefore, it is necessary that individuals enrolling for this class be currently licensed as a Lead Abatement Contractor.

This provides an update regarding personal protective equipment, safety practices and Ohio's lead abatement laws and regulations. In addition, applicable sections of the 2012 HUD Guidelines, including modifications, will be discussed, as well as record-keeping, liability and insurance concerns, and new approved lead abatement technologies. *Students successfully completing the course will be eligible to apply for re-licensure upon receipt of their training certificate.*

**PREREQUISITES: LAC**

**Refresher every 2 years**

**Contact Hours: 8 hours**

**REQUIRED MATERIALS: NONE**

## **LEAD INSPECTOR INITIAL (LI)**

This three-day course, along with a two day Risk Assessor course, will equip housing and building inspectors and risk assessors with the specialized skills necessary to conduct accurate and defensible building/housing inspections for lead-based paint, and familiarize participants with the likely locations of lead hazards, the interpretation of results of paint, dust soil and water testing, and the development of abatement reduction responses.

The training topics include health effects of lead poisoning, concepts of risk assessment versus lead paint inspections, lead background and history, environmental sources of lead, types of risk assessment, treatment of lead problems, prioritizing hazards and selection of testing locations, current regulations and guidelines, assessing paint failure, standards for lead hazards control, intervention, paint, soil and water sampling, occupant issues,

sealing work areas, radiation safety, specification writing, and interpreting testing reports.

**NO PREREQUISITES**

**Contact Hours: 24**

**REQUIRED MATERIALS: NONE**

## **LEAD RISK ASSESSOR INITIAL (LRA)**

This two-day training will equip housing and building inspectors and risk assessors with the specialized skills necessary to conduct accurate and defensible building/housing inspections for lead-based paint and familiarize participants with the likely locations of lead hazards, the interpretation of results of paint, dust, soil and water testing, and the development of abatement reduction responses. The training topics include health effects of lead poisoning, concepts of risk assessment versus lead paint inspections, lead background and history, environmental sources of lead, types of risk assessment, treating of problems, prioritizing hazards and selection of testing locations, current regulations and guidelines, assessing paint failure, standards for lead hazards control, intervention, paint, soil and water sampling, occupant issues, sealing work areas, radiation safety, specification writing, and interpreting testing reports. *A refresher course is required every 2 years to maintain Lead Inspector/Risk Assessor licensure.*

**PREREQUISITES: LI**

**Contact Hours: 16**

**REQUIRED MATERIALS: NONE**

## **LEAD RISK ASSESSOR – REFRESHER (LRA – R)**

This one-day training is designed for certified lead risk assessors interested in updating their knowledge and skills and fulfilling Ohio's requirements for continuing certification. The training topics include health effects of lead poisoning, new/updated laws, types of risk assessment and new lead abatement technologies and procedures. *This training is required for licensed lead inspector/risk assessor every 2 years.*

**PREREQUISITES: LI/RA**

**Refresher every 2 years**

**Contact Hours: 8**

**REQUIRED MATERIALS: NONE**

## **HEATING UNIT INSPECTION (HUI):**

This is an intensive six-day course that will teach participants how to properly inspect heating units. Participants will learn to identify heating unit components, domestic water heater components, and the ability to inspect the units for efficiency and health and safety issues. Combustion testing will be practiced in the lab and classroom guidance will be provided in accessing and understanding combustion air issues as well how to properly size heating unit vent systems.

**PREREQUISITES: Intro to Inspection**

**Contact hours: 40 hours**

**REQUIRED MATERIALS: OWFG, NFPA 54, 211 & 31**

## **HEAT PUMP/AIR CONDITIONING (HP/AC):**

This three- day class is geared toward field personnel who are planning to install and work on heat pumps and air conditioners. Participants will have classroom training on the basic operations of heat pumps and air conditioners. The participants will also have hands-on training on soldering and other joining techniques for copper piping. Proper evacuation of a refrigeration system as well as recovery of refrigerant will be included in the hands-on training. EPA 608 testing will be available on the fourth day for those participants that would like to attempt certification.

### **PREREQUISITES: (HTT)**

**Contact hours: 24**

**REQUIRED MATERIALS: none**



**OWTC Certified BPI Proctor Status and Professional BPI Certifications** the Ohio Weatherization Training Center (OWTC) has been a Building Performance Institute (BPI) approved test center since 2000. The OWTC maintains a staff of qualified training professionals and proctors who adhere to rigorous BPI protocol and industry standards to ensure the highest quality of industry training and testing.



## **ENERGY AUDITOR PREP COURSE**

The Home Energy Professional (HEP) Energy Auditor (EA) course is a comprehensive, 3-day training designed to prepare students to challenge the Written and Field Exams for the EA Certification. This Certification is based on the QCI Job Task Analysis, an industry-led collaboration directed by the National Renewable Energy Laboratory (NREL) and the U.S. Department of Energy (DOE), which defines the knowledge, skills and abilities necessary to perform the job of a Quality Control Inspector working in the Weatherization or Home Performance industries.

To achieve the EA Certification, a student must receive a passing score on both the Written and Field Examinations. Students seeking this Certification must meet additional prerequisites (see below) in order to qualify to challenge the exams and must provide proof of approval from BPI in order to take the exams.

The course will provide participants with classroom/lab training by Certified BPI Professionals. This course is specifically designed to provide individuals with previous experience in the energy efficiency retrofit/home performance industry additional educational and technical training in preparation for the nationally recognized Energy Auditor credential offered through the Building Performance Institute (BPI). A combination of classroom, and in-field /lab learning methods is provided.

After successful completion of the EA Prep Course, the participant will be able to conduct in-process and post-work quality assurance inspections, conduct diagnostic and health and safety tests, assess worker professionalism, verify compliance with a variety of Home Performance and Weatherization program requirements, and evaluate client satisfaction. Participants will receive an EA Certificate of Completion from the OWTC.

Since this course covers a wealth of material in a limited time, it is strongly recommended that students possess a BPI Building Analyst Professional certification and/or have extensive related industry experience. Students should be competent in basic mathematics, construction terminology, and possess basic computer operation skills prior to attending this training. Students completing the QCI Prep Course will have/learn:



- Interactive hands-on activities in a state-of-the-art Weatherization Training Center containing demonstration equipment, combustion lab, and fully interactive demonstration house
- Site visit to an existing home for inspection and diagnostic testing training
- Blower door & pressure differential diagnostic testing
- Duct pressurization & pressure pan testing
- Ventilation fan flow rate measurement
- Combustion safety testing (spillage, draft, CO, gas leaks)

**PREREQUISITES:**

EA Approval Letter to set for the Written and field exam

**REQUIRED MATERIALS: 1200 STANDARDS EA FIELD GUIDE**

