

WX Installer Information Materials



Home Weatherization and Retrofit Installer

Length: 5 Days, 35 hours

Experience Level: Entry Level to Advanced

Class limit: 12

Price: \$1,595/pp

BPI CEUs: 17

Home Weatherization and Retrofit Installer course provides the groundwork for entry into the weatherization field and provides additional knowledge to existing weatherization.



Prerequisites:

- General mechanical aptitude
- 8th-grade reading and math skills
- Able to climb and move ladders
- Work at heights and in confined spaces
- Ability to stand for periods
- Ability to lift and carry large objects and up to 40 lbs.
- Construction or trade experience preferred
- Pass a drug test for employment
- Must pass a background check
- Valid driver's license and vehicle
- Signed "Participant Agreement"
- Register for Selective Service



Topics Covered in this Training Course:

- **Basic Building Science:** Introduction to the basic science of weatherization, energy systems, energy conservation, the building envelope, and insulation.
- **Sealing the Building Envelope:** Examines the relationship between sealing a building's envelope and proper ventilation. Review tools, equipment, and methods used to make repairs and improvements.
- **Ductwork:** Review different types of ductwork systems for heating, air conditioning, and ventilation and required components and methods for making minor repairs, sealing, and insulating ductwork systems.
- **Insulation Installation:** Overview of many different types of insulation products commercially available, installation procedures, and required personal protective equipment.
- **Diagnostic Testing:** Interpret blower door tests and infrared images to assess a weatherization project.



Weatherization Installer/Technician Fundamentals 2.0: Aligned with the Job Task Analysis (JTA) for the Installer/Technician national worker certification

The instructor will evaluate students during this course through observation, hands-on lab exercises, and classroom participation. This course is aligned with the NREL Job Task Analysis for Retrofit Installer Technician

Experience Level: Entry Level to Advanced



Supplemental Materials Handouts & Resources

- 2009 Weatherization Works Video.
- Lawrence National Laboratory Estimated Energy Usage by Source chart.
- Virginia Program Evaluation Summary.
- Brown, Marilyn., Berry, Linda. "Weatherization Assistance: The Single Family Study.". *Home Energy* Sept./Oct. 1993. <www.homeenergy.org>
- Haywood, Talmon. "More Than Just Patching Holes." *Home Energy* Mar./Apr. 2002. <www.homeenergy.org>.
- NREL Job Task Analysis: "Retrofit Installer Technician."
- Kurnick, Chuck and Cynthia Woodley. May 2011. <www.nrel.gov>
- "This is the World of Weatherization." WxTV. Montana Weatherization Training Center. <www.wxtvonline.org>.



Weatherization Installer job task analysis—training program prepares students by utilizing the Weatherization Installer/Technician Fundamentals 2.0:

Aligned with the Job Task Analysis (JTA) for the Installer/Technician national worker certification - [Weatherization Installer/Technician Fundamentals 2.0 | Department of Energy](#)

Certificate provided upon course competition

Department of Energy Approved Curriculum

IREC Accredited Course

**Click Here to Register for Home
Weatherization and Retrofit Installer**

<https://www.energy.gov/scep/articles/nrel-job-task-analysis-retrofit-installer-technician>



Registration Process: This form is for those who are not able to pay by credit card online. Fax (508) 620-2472 or email teamgja@smoc.org the completed form to reserve a seat. Mail payment: Green Jobs Academy 91 Bartlett St, Marlboro, MA 01702 (Attn: Rich DeYoung).

Confirmation will be emailed when payment is received. Training registrations can be found at www.greenjobsacademy.org (go to the training calendar and click on the training)

Registration links are sent directly to students for custom training. Confirmation is sent directly to the email that is input on the online registration.

Cancellation Policy: Cancellations 14 days before training will be reimbursed. Cancellations less than 14 days will not be reimbursed. * Substitutions from the same contractor will be accepted with prior notification and approval of GJA.

** Emergency Class Cancellation Policy: Call (508) 626-7150 by 7:00 a.m. on the day of training for updates regarding the cancellation of classes due to unexpected weather or other emergencies. (ex: State of Emergency, inclement weather, etc.)*

Questions: Call 508-626-715

