Energy Auditor/Building Analyst (BPI)

Course Description

This program prepares participants to successfully perform the tasks required of an energy auditor working in the weatherization sector of the construction industry. It was designed using the U.S. Department of Energy core competencies for the Weatherization Assistance Program (WAP), the Building Performance Institute standards, and training industry best practices. Successful completion of the training portion of the program prepares participants to take the BPI Building Analyst Certification.

OBJECTIVES

+ Ability to interact with clients in a professional and customer oriented manner.

+ Possess an intermediate to advanced knowledge of math as it applies to the weatherization sector.

+ Possess a working knowledge of energy and weatherization audit practices.

+ Possess a working knowledge of inspection and measurement, diagnostic testing, combustion appliance safety, and insulation.

+ In order to successfully conduct audits, demonstrate the ability to execute a variety of inspection and measurement tasks, diagnostic techniques including blower door, zone pressure, and duct testing, and combustion appliance safety tasks.

+ Ability to use DOE-approved energy audit software.

+ Ability to select measures that effectively address the issues identified through audit.

+ Ability to develop the scope of work.

+ Prepare for and pass the BPI Building Analyst Certification.

AUDIENCE

This program is designed for participants that are interested in a second tier job in the weatherization sector of the construction industry and need to possess and document knowledge and experience of the construction trades.

PREREQUISITES

Candidates will have a H.S. diploma or GED and score at the tenth grade level or above in reading and math in the TABE test. Candidates will also get a score of 60 percent or more on the Computer Skills Pre-Test developed by DOE and used for WAP, pass the drug test, obtain a score of 70 or above in the basic construction trades test, and document at least two years of experience in the building trades. Finally, candidates will also pass the standardized physical fitness test.

INSTRUCTION HOURS

96 Hours

INSTRUCTOR

Training will be delivered by a highly skilled, BPI certified, trainer with at least five years of experience as an auditor.

PROGRAM OUTLINE

Module 1: Math for Weatherization and Energy Auditing (20 Hours)

Module 2: Review of Building Science (8 hours)

Module 3: Client Relations (8 hours)

Module 4: Weatherization Auditing Practices (30 Hours)
• Inspection and Measurement
• Diagnostic Testing
• Combustion Appliance Safety

Module 5: Measure Selection with Use of Energy Audit Software (16 hours)

Module 6: Work Scope Development (10 hours)

Module 7: BPI Building Analyst Certification (4 Hours— 2 for test and 2 for field exam)

CONTACT US TODAY!

For more information and for a professional service presentation, contact **Daniela Ojeda**, *Project Coordinator,* at (773) 878-3775 or dojeda@iwe.staugustine.edu or **Nelson Robles**, *Project Manager*, (312) 666-5910 or nrobles@haciaworks.org.

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