

JTA ALIGNMENTS

Retrofit Installer Technician

The following short courses map to the **Job Task Analysis for Retrofit Installer Technician**.

You do not need to take every one of these classes to attain RIT certification from SFCC. If you feel that you have extensive experience in any of the classes, you may ask to be tested out of it.

Basic Pressure Diagnostics
Basic Combustion Testing
Air and Duct Sealing
Insulation 1
Insulation 2
Lead Safe Weatherization
OSHA 10 hours for General Construction
EPA Lead RRP
Also Recommended:
Materials and Documentation

Crew Leader

The following short courses map to the **Job Task Analysis for Crew Leader**.

You do not need to take every one of these classes to attain CL certification from SFCC. If you feel that you have extensive experience in any of the classes, you may ask to be tested out of it.

Basic Pressure Diagnostics
Basic Combustion Testing
Air and Duct Sealing
Insulation 1
Insulation 2
Lead Safe Weatherization
OSHA 10 hours for General Construction
EPA Lead RRP
Crew Leader
Also Recommended:
Materials and Documentation

Energy Auditor

The following short courses map to the **Job Task Analysis for Energy Auditor**.

You do not need to take every one of these classes to attain EA certification from SFCC. If you feel that you have extensive experience in any of the classes, you may ask to be tested out of it.

Building Science Principles
Basic Pressure Diagnostics
Advanced Pressure Diagnostics
Basic Combustion Testing
Intermediate Combustion Testing
Advanced Combustion Analysis
Weatherization Assistant – NEAT and MHEA
(or other software used by your state)
ASHRAE 62.2
Lead Safe Weatherization
OSHA 10 hours for General Construction
EPA Lead RRP
Also Recommended:
Materials and Documentation

Quality Control Inspector

The following short courses map to the **Job Task Analysis for Quality Control inspector**.

Quality Control Inspector, three-day training
We highly recommend the following classes have been taken in the past or that you have extensive experience in the following fields.
Building Science Principles
Basic Pressure Diagnostics
Advanced Pressure Diagnostics
Basic Combustion Testing
Intermediate Combustion Testing
Advanced Combustion Analysis
OSHA 10 hours for General Construction
Also Recommended:
Materials and Documentation

PROFESSIONAL DEVELOPMENT AND CONTRACT TRAINING

Santa Fe Community College's

EnergySmart Academy



The EnergySmart Academy at Santa Fe Community College is an IREC-accredited, nationally-recognized training center that focuses on residential and commercial energy and water efficiency. We offer both online and in-person classes.

LEARN MORE

Contact Amanda Hatherly at 505-428-1805 or amanda.hatherly@sfcc.edu

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Tier One Weatherization Courses

The following full and short courses are considered Tier One and align with the Job Task Analyses for Retrofit Installer, Crew Leader, Energy Auditor or Quality Control Inspector. They are all IREC accredited. Most of these courses can be delivered at your location.

FULL COURSES

Full Retrofit Installer Class

A two-week online class (video-based) followed by one week of field training. This course covers all the JTAs for a retrofit installer technician, including intensive hands-on air sealing, insulation and other measures.

\$1,995 per person in Santa Fe.
Please contact us for on-location pricing.

Crew Leader

A two-week online class (video-based) is followed by a three-day course focusing on developing the skills necessary to be an effective crew leader. It focuses on crew management, organization, inventory control, safety, understanding work orders and quality control.

Prerequisite: Retrofit Installer Technician training or BPI Retrofit Installer Technician certification.

\$1,295 per person at SFCC
\$8,000 on location, eight students maximum per class



Energy Auditor Class

A three-week online class followed by one week of training. This covers all the JTAs for the Energy Auditor. BPI written and field exams can be taken the following weekend or week.

\$1,995 plus \$950 for BPI written and field exams per person.
Please contact us for on-location pricing.

Quality Control Inspector Training and BPI Certification

A three-week online class followed by a week of training in Santa Fe which also includes the BPI written and field exams. The online portion is mostly short engaging videos with online discussions and instructor interaction.

We highly recommend that you have taken the Energy Auditor class, although this is not currently required.

\$1,495 plus \$950 for BPI written and field exams per person



Building Performance Institute Building Analyst

Blended class. The online portion of the class is completed over two weeks before you come to the Santa Fe training center for three days of training and BPI Building Analyst written and field exams. We highly recommend this class for anyone who needs a basic understanding of building science, both the theory and application.

\$1,595 plus \$750 for exams per person

After February 2019, the Energy Auditor and Quality Control Inspector classes will be changed to align with the new BPI QCI written and field exams.

REQUIREMENTS FOR TRAINING AT YOUR LOCATION

Facility Requirements

The IREC Standard requires those receiving recognition as an “Accredited Training Program” have and maintain sufficient facilities in which to conduct their training programs. SFCC’s **EnergySmart Academy** has created a state-of-the-art facility with both safety and trainee comfort in mind.

Off-site classroom facilities must meet the same standard as trainings taking place at SFCC. Adequate lighting, heating/cooling, and space, a safe work environment, comfortable seating, bathroom facilities, handicap accessibility (if needed), and presentation equipment must all be present at the off-site facility. All tools and materials required for the training must be available and in safe, working condition. All requirements, including specific location and materials, must be verified either by staff visit or video submission.

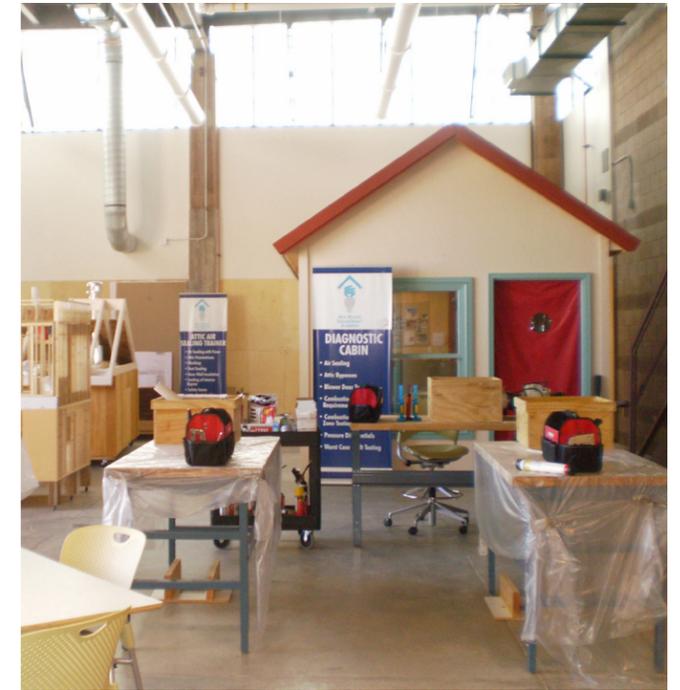
For field training facilities, the instructor will determine what requirements and amenities are necessary for the specified course and day of instruction. For example, when teaching Retrofit Installer Technician courses focusing on dense-pack insulation, a field site might require under insulated cavities, adequate electrical load to support the insulation machine, and adequate ventilation, but may not require comfortable seating or presentation equipment. Again, these requirements must be verified by staff visit or video submission.

Tools and Equipment

Each course outlines the proper use and safety measures for tools, equipment, and hardware specific to that course learning objectives. If we are training at a location outside of Santa Fe, a list of required tools and equipment will be sent in advance to the location which must then verify they have what is needed. If tools and equipment are not available, in some cases we will bring them with us.

Safety

Training on location requires the same attention to safety that we practice at our Santa Fe location. Ahead of time we will verify that there is sufficient personal protective equipment for each student. Our instructor will do a safety analysis, including completing a job hazard analysis worksheet, prior to any field visit.



The EnergySmart Academy Lab at Santa Fe Community College.

SHORT COURSES (continued)



ASHRAE 62.2

In this one-day class, students explore the role that ventilation plays in a whole-building approach to building performance, energy efficiency, and indoor environmental quality. Following the American Society of Heating Refrigeration and Air-Conditioning Engineers (ASHRAE) standard 62.2, students learn about the requirements contained within the standard, strategies for compliance, and the science and ethics of ventilation. Classroom based, 25 students maximum per class.
\$2,000 (as add-on class)



Lead Safe Weatherization

This one-day class covers the Department of Energy requirements for Lead Safe Weatherization training. It is offered as an add-on class to any of our other classes. Classroom based, 12 students maximum per class.
\$2,000 (as add-on class)



OSHA 10 Hours for General Construction Certification, Respirator Fit-Testing AND EPA Lead RRP Certification

This three-day class covers the OSHA 10 hours class for construction, including certification and respirator fit-testing and the EPA Lead RRP certification. Classroom based. Students who want to be fit-tested will need to bring their respirator and a letter from their doctor attesting they can wear a respirator. 25 students maximum per class.
\$8,000 for first 10 students. Additional students \$75 each.



SHORT COURSES

Basic Building Science

This short online class is aligned to the BPI Building Science Principles exam, allowing students who successfully complete the class to elect to sit the BPI exam. This course is an excellent first step for those new to the field of weatherization who need a basic understanding of building science. This class is highly recommended for those taking BPI exams.
\$200 (optional additional \$200 for exam and book)



Basic Pressure Diagnostics

This two-day class for new hires and those who may want a refresher, focuses on basic blower door diagnostics, basic zone pressure diagnostics and blower door guided air-sealing. Mixed classroom and field. Eight students maximum per class.
\$6,000
Requirements to host course: A house with a pitched roof or accessible crawl space that has not been weatherized.



Advanced Pressure Diagnostics

This two-day class for Auditors and QCI covers infrared and blower door diagnostics, static pressure, heat rise and duct blaster. Mixed classroom and field. Eight students maximum per class. Prerequisite: Basic Pressure Diagnostics or BPI Energy Auditor or BPI QCI certification.
\$6,000
Requirements to host course: A house with forced air.



Basic Combustion Testing

This two-day class is for all weatherization crew and will cover basic combustion testing, including combustion theory, appliance identification, testing for spillage, carbon monoxide and draft. Mixed classroom and field. Eight students maximum per class.
\$6,000
Requirements to host course: A house with at least one vented combustion appliance, NFPA category 1.



Intermediate Combustion Testing

This two-day class covers worst case depressurization. Mixed classroom and field. Eight students maximum per class. Prerequisite: Basic Combustion Testing
\$6,000
Requirements to host course: A house with forced air gas furnace inside the pressure boundary.

SHORT COURSES (continued)



Advanced Combustion Analysis

This two-day class for auditors looks beyond the basics to fully assess a combustion appliance for health, performance and long term durability. Mixed classroom and field. Eight students maximum per class. Prerequisite: Intermediate Combustion Testing or BPI Energy Auditor or BPI QCI certification.

\$6,000

Requirements to host course: A house with forced air gas furnace inside the pressure boundary.



Air and Duct Sealing

This two-day class covers basic air-sealing and duct sealing measures, materials and correct installation. Mixed classroom and field. Eight students maximum per class.

\$6,000

Requirements to host course: A house pre-weatherization with a duct system.



Insulation 1

This two-day class covers insulation measures, including blowing insulation. Mixed classroom and field. Eight students maximum per class.

\$6,000

Requirements to host course: A house pre-weatherization that needs blown insulation as part of its measures.



Insulation 2

This two-day class focuses on dense-packing walls and more complex insulation measures. Mixed classroom and field. Eight students maximum per class.

\$6,000

Requirements to host a course: A house pre-weatherization that needs walls to be dense-packed.



Materials and Documentation

This two-day class focuses on documentation of as-found conditions in a house with checklist and photos, appropriate selection of materials, correct application of materials and documentation afterwards. Testing of air-sealing measures will be included where applicable. Mixed classroom and field. Eight students maximum per class.

\$6,000

Requirements to host a course: At least one house with access to the attic and gas appliances that have already been assessed.

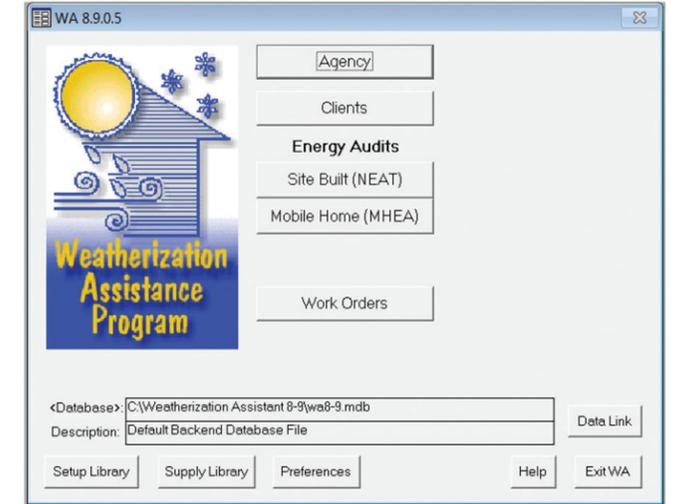


Multifamily Quality Control Inspector Training and Certification

Blended class. The online portion of the class is completed over several weeks before you come to the Santa Fe training center for a week of training (four days) and SFCC certification exams. The online portion is mostly short engaging videos with online discussions and instructor interaction. A certificate of successful completion from Santa Fe Community College is given to candidates who pass both our written and field exams.

\$1,995 per person (includes exams).

Please contact us for on-location pricing



Weatherization Assistant: NEAT

Just like a framing hammer, the National Energy Auditing Tool, requires understanding the principles and mechanics to get the best results. This three-day class includes a mix of field and classroom study. Through the course, energy auditors explore how the tool works, and the day-to-day use for weatherization projects. Class and field based. Eight students maximum per class.

\$8,000

Requirements to host a course: A site-built house to audit.



Weatherization Assistant: MHEA

This three-day class includes a mix of field and classroom study. Similar to the NEAT course, the MHEA course explores the workings, nuances, and opportunities for cost-effective weatherization of Manufactured Housing. Through the course, energy auditors explore how the differences between manufactured housing and traditional site-built provide key cost-effective weatherization opportunities. Prerequisite: NEAT class

\$8,000

Requirements to host a course: A mobile home to audit.