

**WEATHERIZATION TECHNICIAN
(CE0303J)**

Weatherization Technician This program is designed to provide comprehensive training that will qualify students for as a Weatherization Installer/Crew Member and provide basis for further training and career opportunities including Crew Leader, Energy Analyst, and Energy Auditor.

In addition to the specific occupational skills, the program will provide the opportunity for students to receive a **Career Readiness Certificate (CRC)**. The CRC credential certifies that an individual has demonstrated his/her competence in the foundational skills of Reading for Information, Locating Information, and Applied Mathematics, which are fundamental workplace skills.

The **Weatherization Technician** program consists of the following courses:

Introduction to Building Science (Building Efficiency Operator)

This course is designed to teach the concepts and science behind the “house as a system”. Major sub-systems that affect building performance will be studied where appropriate. Math concepts for weatherization will be covered and weatherization diagnostics will also be covered.

Weatherization Safety

This course is designed to provide a working knowledge of safety and safety equipment in the weatherization field. OSHA requirements and guidelines related to weatherization will be emphasized including ladder safety, fall protection, PPE, respiratory protection, hand tool safety, fire prevention, confined space, and first-aid. The course will also cover U.S. Department of Energy (DOE) program regulations/policies and Environmental Protection Agency (EPA) guidelines for asbestos, lead safe work practices (LSW), mold, and other health hazards.

Weatherization Diagnostics and Field Tactics

This course is designed to provide participants with the fundamentals of common residential central space heating systems. Carbon Monoxide causes, action levels, remedies, and code requirements related to vent system sizing, materials, clearances, installation, safety shut-off devices and gas line sizing. Combustion analysis and safety will be covered. This course includes classroom, lab, and field instruction.

HRD Employability Skills

This course provides employability skills training for unemployed and underemployed adults. Students will utilize their occupational skills training, past work experiences, volunteer work, hobbies, and homemaker skills to develop a master job application and resume. Students will be involved in interviewing skills, development of a positive self-concept, communication and problem solving skills, and workplace information technology.