

OUR MISSION

The mission of the Tennessee Technology Center at Elizabethton is to be the premier provider of Workforce Development in Carter, Johnson, Sullivan, Unicoi and Washington counties. The mission is carried out by:

- Providing competency-based training of the highest quality that will qualify students for employment and/or advancement in jobs.
- Providing high quality training and retraining of employed workers.
- Providing high quality training that is economic and accessible to all residents of Tennessee, thereby contributing to economic and community development of the communities we serve.

The Tennessee Technology Center at Elizabethton:

--Accredited by the Accrediting Commission of the Council on Occupational Education, 41 Perimeter Center East, Northeast, Suite 40, Atlanta, GA 30346.

--Approved for the training of veterans by the State Office for Veterans' Education and the Tennessee Higher Education Commission.

--Governed by the Tennessee Board of Regents, 1415 Murfreesboro Road, Suite 350, Nashville, TN 37217-2833.

Tennessee Technology Center at Elizabethton

www.ttcelizabethton.edu

Main Campus, 426 Highway 91
Elizabethton, TN 37643

Telephone 423-543-0070, Fax 423-547-2587
Herman Robinson Campus, 1500 Arney Street
Elizabethton, TN 37643

Office Hours: Monday-Friday
7:30 a.m. – 4:30 p.m. Eastern Time

"Workforce development. It's what we do."™

8/07

*Equal opportunity employer/program. Auxiliary aids and services for individuals with disabilities and/or limited English proficiency are available upon request to the Student Services Coordinator.
TDD: 423-547-7511 or 423-610-0134.*

Tennessee Technology Center at Elizabethton
P.O. Box 789
Elizabethton, TN 37644

HVAC / REFRIGERATION

workFORCE development™

"It's what we do!"™

TENNESSEE TECHNOLOGY CENTER
at Elizabethton

www.ttcelizabethton.edu

Serving the Northeast Tennessee region

*P.O. Box 789
Elizabethton, TN 37644*

(423) 543-0070
Toll Free 1-888-986-2368

Governed by the Tennessee Board of Regents

HVAC/REFRIGERATION

The HVAC/Refrigeration program consists of classroom and shop learning experiences, as well as computer simulators that are concerned with commercial and residential heat pumps, gas furnaces, geo-thermal units, oil furnaces, chillers and walk-in coolers. Instruction will be given in charging and evacuating refrigerants, testing compressors, relays and overload devices.

Other learning experiences include installation, repair, trouble shooting and maintenance of commercial and residential units. Included in the curriculum is the theory and application of basic principles of air conditioning, cooling, heating, cleaning, filtering and humidifying, blueprint reading, load calculations, air balancing, schematic wiring, diagram reading and low-voltage controls.

UNITS OF STUDY

Orientation and Safety	Electricity
Air Conditioning Systems	Air Handling
Heat Transfer Principles	Controls
Heat Pump Systems	System Installation/Start Up
Tools and Equipment	Load Calculations
Heating Systems	System Servicing
Piping & Piping Principles	Refrigeration System Components
Commercial Refrigeration	Sheet Metal

CERTIFICATION

Section 608 EPA Certification
Air Conditioning Certification
Commercial A/C Certification
Heat Pump Certification
Commercial Refrigeration Certification
GEO-Thermal Certification
Gas Heat Certification
Oil Heat Certification
Hydronics – 1 (Steam) Certification
Hydronics – 1 (Hot Water) Certification

LENGTH OF PROGRAM

The average length of this competency-based program is 2160 hours (12 to 20 months). Actual time is dependent upon enrollment and length of time it takes students to achieve each competency. The individualized concept used in most of the training programs allows students to progress at their own learning rate. This program contains several completion points designed to prepare students for various entry-level jobs within the HVAC field.

ADMISSION REQUIREMENTS

This program operates on an open-entry, open-exit basis. Students may enter the program anytime during the school year, subject to space availability. Students must be at least 18 years old and not attending public school. However, high school students may attend through dual enrollment provided it is approved by their school counselor, the local school administrator and the technology center director.

APPLICATION PROCEDURES

Complete an application for admission. The application may be obtained at the main campus, 426 Highway 91, Elizabethton, between 7:30 a.m. and 4:30 p.m., Eastern Time, Monday-Friday, or online at www.ttcelizabethton.edu.

TUITION AND FEES

The current fee schedule is found in the school catalog and on the school Web site, www.ttcelizabethton.edu.

FINANCIAL AID

You may qualify for financial assistance. Contact the Financial Aid Office for additional information.

CERTIFICATE AWARDS

- HVAC Installer and Service Helper
- Domestic Unit Repairer
- EPA Certification

DIPLOMA AWARDS

- HVAC Technician
- Refrigeration Technician
- HVAC/Refrigeration Technician
- Commercial Refrigeration/Air Conditioning Technician

CLASS HOURS

Classes meet from 8 a.m. to 3 p.m. Monday-Friday at the Arney Street campus.

STUDENT SERVICES

The Student Services Office provides counseling to all students and potential students. Call 423-543-0070 to speak with a counselor.

TRANSFER CREDITS

Credit for high school training is considered by the Tennessee Technology Center at Elizabethton on an individual case basis. Graduates of the Tennessee Technology Center at Elizabethton may also receive college credit in some two and four-year degree programs.

WEB SITE

www.ttcelizabethton.edu