

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



WELDING

***work* FORCE
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

WELDING

The Welding Program provides students with the techniques of welding processes commonly used in industry, such as Shielded Metal Arc (STICK), Gas Tungsten Arc (TIG) and Gas Metal Arc (MIG). Instruction in operations of flame cutting, plasma cutting, grinding, metal preparation and use of tools and equipment, related math, physical properties of metal, effects of heat thickness allowances, shrinkage, basic joint design, layout and fabrication are provided.

UNITS OF STUDY

- Shop Orientation and Safety
- Basic Welding Procedures, Setting Up Equipment, Machines and Accessories
- Technical Information, Shop Management and Related Equipment
- Flat, Vertical, Horizontal and Overhead Positions
- Selecting Electrodes
- Pipe Welding to include STICK and TIG Welding
- Selecting Wires, Rods, Gases and Electrodes
- Flame and Plasma Cutting
- Metal Prep and Welding Basic Joints
- Pad Welding, Fillet Welds and Groove Welds
- Basic Math, Blueprint Reading, Layout and Structural Projects (live work)
- Ferrous Casting, Hard Surfacing, Non-Ferrous Casting and Metallurgy
- Welding Stainless and Aluminum
- Brazing and Soldering
- Code Testing to include ASME and AWS

LENGTH OF PROGRAM

The average length of this competency-based program is 1296 hours (12 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 Welding 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 of age 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. Monday-Friday, Eastern Time, or online at www.ttelizabethton.edu.

TUITION AND FEES

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

FINANCIAL AID

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

CERTIFICATE AWARDS

- Welder Helper
- Tack Welder
- Gas, Metal Arc Welder
- Shielded Metal Arc Welder

DIPLOMA AWARDS

- Combination Welder

The Tennessee Technology Center at Elizabethton is a designated American Welding Society Educational Institution member.

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.ttelizabethton.edu