

Our Mission

The Tennessee Colleges of Applied Technology continue to serve as the premier providers for workforce development throughout the State of Tennessee. The colleges fulfill the mission by:

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

Tennessee College of Applied Technology Elizabethton

- Accredited by the Commission of the Council on Occupational Education, 7840 Roswell Road, Suite 325, Atlanta, GA 30350, telephone 1-800-917-2081.
- 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, telephone 615-366-4400.

Tennessee College of Applied Technology Elizabethton

Website address: www.tcatelizabethton.edu

426 Highway 91 North

Elizabethton, TN 37643

Telephone 423-543-0070, Toll Free 1-888-986-2368

Fax 423-547-2587

Office Hours: Monday-Friday 7:30 AM- 4:30 PM ET

“Workforce development. It’s what we do.”™

The Tennessee College of Applied Technology Elizabethton, a Tennessee Board of Regents institution, is an AA/EEO/ADA employer and does not discriminate on the basis of race, color, national origin, gender, ability and age in its programs and activities. The following person has been designated to handle inquiries regarding the non-discrimination policies: Student Services Coordinator, Tennessee College of Applied Technology Elizabethton, 426 Highway 91 North, Elizabethton, TN 37643, telephone 423-543-0070. Printed by Sabre Printers, 325 West Walnut Street, Johnson City, TN 37604. TBR 260, POE 14200. 1M. 12/13.

**Tennessee College of
Applied Technology Elizabethton**
426 Highway 91 North
PO Box 789
Elizabethton, TN 37644

PIPEFITTING AND PLUMBING



**TENNESSEE COLLEGE
OF APPLIED TECHNOLOGY**
— ELIZABETHTON —



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PIPEFITTING AND PLUMBING

C.I.P. Code 46.502

Pipefitting and Plumbing Technology is a competency-based training program that takes 1,296 hours (12 months) to complete. Actual time is dependent upon the length of time it takes to achieve each competency. The individualized concept allows each student to progress at their own learning rate. The training program prepares students for an entry-level position as a pipefitter.

Students will learn various pipe and welding fabrication techniques in including interpreting blueprints and specifications; making detailed sketches for pipe and equipment fabrication and installation; cutting pipe using various hand or power tools; measuring, cutting with blades and torches; threading, grooving, bending, soldering, brazing, welding, assembling, joining; and installing pipes, valves and fittings.

LENGTH OF PROGRAM

The average length of this competency-based program is 1,296 hours (12 months). Actual time is dependent upon enrollment and length of time it takes students to achieve each competency. This program contains several completion points designed to prepare students for various entry-level jobs within the Pipefitting and Plumbing fields.

ADMISSION REQUIREMENTS

Students must have a high school diploma or equivalent.

APPLICATION PROCEDURES

Complete an application for admission. The application may be obtained at the Main Campus, 426 Highway 91 North, Elizabethton, from 7:30 AM to 4:30 PM Monday-Friday, Eastern Time, or online at www.tcatelizabethton.edu. You must also provide a copy of your high school diploma or equivalent.

CERTIFICATE AWARDS

48 hours	Pipefitter Entry-Level Helper
432 hours	Pipefitter Middle Class Helper
639 hours	Pipefitter Top Helper

DIPLOMA AWARDS

1,296 hours	Pipefitting/Plumbing
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UNITS OF STUDY

- Orientation and Safety
- OSHA Certification
- Trade Tools
- Applied Math – Pipefitting
- Blueprint Reading, Drawings and Symbols
- Oxy-fuel Cutting, Welding and Torch Safety
- Rigging and Pipe Hangers
- Pipe Valves, Flanges and Fasteners
- Types and Schedules of Pipe
- Fabrication, Make-Up and Take-Off
- Butt Weld Fabrication
- Socket Weld Fabrication
- Threaded Pipe Fabrication
- Copper Pipe Fabrication
- Career Skills
- Plumbing Codes and Standards
- Rough In Specifications
- Testing and Inspection
- Final Installation

CLASS HOURS

Classes meet from 8:00 AM to 3:00 PM Monday-Friday.

STUDENT SERVICES

The Student Services Office provides counseling to all students and potential students. Telephone 423-543-0070 to speak with a counselor. For auxiliary aids and services to individuals with disabilities and/or limited English proficiency, contact the Student Services Coordinator, telephone 423-543-0070.

WEBSITE

www.tcatelizabethton.edu