

PIPEFITTING (12)

The pipefitting program is a competency-based training program that utilizes NCCER standards. 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 valves and fittings.

PRACTICAL NURSING (12)

The Practical Nursing Program is designed to meet the educational needs for members of the nursing team employed in hospitals, nursing homes and health care agencies, among others, to give assistance in the care of patients. The program gives students technical knowledge and skills needed for employment as a practical nurse. Each student will receive classroom instruction and clinical experience. All instructors are Registered Nurses and each has at least three years of experience as a practicing RN. This program is designed to prepare graduates to take the State Board of Nursing examination to become a Licensed Practical Nurse. Classes meet at the Main Campus and on the ETSU Kingsport campus at Allandale.

WELDING (12)

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. Classes meet at the Main Campus and 1500 Arney Street, Elizabethton

REGISTRATION FEE TO ATTEND

TCAT ELIZABETHTON AS A FULL-TIME STUDENT
(Effective Fall Trimester, 2019)

COST FOR 12 MONTHS / COST PER TRIMESTER*

All Programs Except Nursing & Welding	\$3,937 / \$1,312
Nursing	\$4,237 / \$1,412
Welding	\$4,237 / \$1,412

**Includes \$10 Student Activity Fee per trimester for on-campus programs
(Fees subject to change by action of the Tennessee Board of Regents.)*

MAXIMUM FINANCIAL ASSISTANCE TO QUALIFYING STUDENTS

(Effective Fall Trimester, 2019)

YEARLY

Wilder-Naifeh Lottery Scholarship	\$2,000
Federal Pell Grant	\$6,195
Total	\$8,195

PER TRIMESTER

Wilder-Naifeh Lottery Scholarship	\$667
Federal Pell Grant	\$2,065
Total	\$2,732

OUR MISSION

The mission of the Tennessee College of Applied Technology Elizabethton is to continue to be the premier provider of Workforce Development in Carter, Johnson, Sullivan, Unicoi and Washington counties.

- Governed by the Tennessee Board of Regents, 1 Bridgestone Park, Nashville, TN 37214, telephone 615-366-4400.
- Accredited by the Commission of the Council on Occupational Education, 7840 Roswell Road, Suite 325, Atlanta, GA 30350

ADMISSION REQUIREMENTS

Complete an application for admission online at www.tcatelizabethton.edu. Select Apply Now. After you apply for admission, you will receive an I.D. number to register online for classes. You will next be notified of the date and time for new student orientation. For questions, please contact the Main Campus at 423-543-0070.

TUITION AND FEES

The current fee schedule is found in the TCAT Elizabethton Student Handbook/Catalog. Program costs are found online in a PDF format under the training program you select. Fees are subject to change by the Tennessee Board of Regents.

FINANCIAL AID

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

STUDENT SERVICES

To speak with a counselor, telephone TCAT Elizabethton, 423-543-0070, between 7:30 AM and 4:00 PM Monday-Friday, Eastern Time. For auxiliary aids and services to individuals with disabilities and/or limited English proficiency, contact the Student Services Coordinator, at 423-543-0070.

TENNESSEE COLLEGE OF APPLIED TECHNOLOGY ELIZABETHTON

www.tcatelizabethton.edu

Main Campus, 426 Highway 91 North
Elizabethton, TN 37643

(Located across from the Elizabethton Municipal Airport
in the Watauga Industrial Park)

Telephone 423-543-0070, Fax 423-547-2587

Office Hours: 7:30 AM to 4:00 PM Eastern Time, Monday-Friday

At TCAT Elizabethton, the program completion rate, job placement rate, and licensure pass rate on the Tennessee Board of Nursing exam have averaged 90 percent for the past several years. TCAT Elizabethton encourages all students to obtain a high school diploma or equivalent for future employment.

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, religion, creed, ethnicity or national origin, sex, disability, age status as a protected veteran or any other class protected by Federal or State laws and regulations and by Tennessee Board of Regents policies with respect to employment, 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. Fax 423-547-2587.

FULL-TIME TRAINING PROGRAMS



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



WWW.TCATELIZABETHTON.EDU

FULL-TIME TRAINING PROGRAMS

Training programs offered by the Tennessee College of Applied Technology Elizabethton are listed alphabetically, accompanied by a brief course description, approximate length of time to complete each proficiency level, and the award for each level. One week equals 30 classroom hours. Daily class hours are subject to change.

GENERAL INFORMATION

These programs operate on an open-entry/open-exit basis. Students must be at least 18 and not attending public school to enroll. However, high school students may attend through dual enrollment after receiving approval from their school counselor, local school administrator and the TCAT Elizabethton president. Students who complete each program receive a diploma. Certificates are awarded in most programs after each unit of instruction is completed.

CLASS HOURS

Classes for full-time programs meet 30 hours per week from 7:30 AM to 3:30 PM Monday-Thursday. Part-time classes are also offered in some programs. Classes meet at the Main Campus unless otherwise noted.

The programs listed below are offered either at the Main Campus, 426 Highway 91 north, the Herman Robinson Extension Campus, 1500 Arney Street, both in Elizabethton, or on the ETSU campus at Allandale in Kingsport.

Months to complete shown in parenthesis by each program.

ADMINISTRATIVE OFFICE TECHNOLOGY (12)

Administrative Office Technology program develop skills through technical training necessary for entry-level employment in an office setting of the 21st Century. The program is designed to prepare students for employment with a variety of professional organizations as Accounting, Administrative, Financial, Services, Legal and Medical Administrative Assistants.

ADVANCED MANUFACTURING TECHNOLOGY (12-20)

Advanced Manufacturing Education Program is designed to increase the number of skilled workers for existing and emerging manufacturing jobs. The training also provides manufacturing-related technical assistance to local business and industry. This program offers career paths in Robotics Automation, Programming Local Controls, Automation and Plastic Injection Molding.

AUTOMOTIVE TECHNOLOGY (20)

An ASE certified program, the Automotive Technology Program is a comprehensive training program that provides classroom instruction and hands-on experience with state-of-the-art equip-

ment used to diagnose and repair today's high tech automobiles. The training includes computerized engine analysis, heating and air conditioning, electrical and electronics systems, brake repair, front-end alignment, manual and automatic transmissions, and chassis and steering, among others. A part-time training program is also offered in the evening.

COMPUTER INFORMATION TECHNOLOGY (20)

The CIT program starts training in copper and fiber optic cabling. Students will earn a Greenlee Certification in each. The 3D printing is a class on the basics using Dremel 3D printers. Computer Fundamentals & MOS (Microsoft Office Specialist) and Nida are self-study courses. A+, Network+, and Security+ are a suite of CompTIA Certification prep courses to prepare students to be entry level computer field service technician. The last trimester is an elective of the student's choice: MCSA, Ethical Hacking, among others.

COSMETOLOGY (14)

The program provides students with the basic theory and knowledge of the beauty industry through use of approved textbooks, classroom instruction and practical application. The course length is four trimesters totaling 14 months. Among topics to be covered will be state law, hairstyling, facials, manicuring and pedicuring, shop ethics and salesmanship. Sterilization, bacteriology and anatomy and physiology, among others topics unique to the cosmetology industry. Students who complete the course will receive a diploma as a Cosmetologist. Classes meet at 1500 Arney Street.

CRIMINAL JUSTICE (6)

This training program, which may be completed over two trimesters, provides jailers and guards with knowledge of emergency procedures, mental health and first aid, defensive tactics and use of force, ethics and legal issues, investigations and personal development. Upon completion of the training, students will receive a certificate as a Master Correctional Officer. Classes meet at 1500 Arney Street.

DIESEL POWERED EQUIPMENT TECHNOLOGY (20)

The Diesel Powered Equipment Technology Program provides students with practical experience in repair and maintenance of diesel engines, fuel systems, electrical systems, clutch and transmissions, hydraulics, drive-lines, axles, frame suspension, and diesel truck and tractor steering. Students also have the option of studying Diesel and Agriculture Construction and Equipment. Classes meet from 7:30 am to 3:30 pm Monday-Thursday at the Main Campus and 1500 Arney Street.

HVAC/REFRIGERATION (12-20)

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

INDUSTRIAL ELECTRICITY (12-16)

The program provides students with basic theory, lab projects and field work applications. When students progress to the next level of training, they progress into residential and industrial wiring, installation, industrial electrical maintenance and electronic systems. The program uses NCCER academic standards. NCCER's National Registry secure database allows organizations and companies to track the qualifications of their craft professionals and/or check the qualifications of possible new hires.

MACHINE TOOL TECHNOLOGY (12-16)

The Machine Tool Technology program provides basic skills in machine tool operations and experience on a variety of machine tools, such as lathes, milling machines, computer numerical control (CNC) machines, and the CAD-CAM. The program integrates the National Institute for Metalworking Skills (NIMS) national metalworking standards and credentialing assessments, combining the traditional on the job learning of apprenticeship with the use of NIMS assessments as performance measures.

MILLWRIGHT SKILLS (12)

The Millwright Skills Program consists of classroom and shop learning experiences in the installation, alignment and maintenance of all types of industrial equipment and machinery using the latest technologies in troubleshooting, alignment and repairing. The program utilizes NCCER curricula standards.

PHLEBOTOMY (4)

The program teaches students how to draw blood via vein or skin puncture. The program prepares students for the Phlebotomy Certification Exam and employment as a phlebotomist. The Phlebotomy Technician Certificate (PTC) includes theory and hands-on instruction during a full trimester totaling 432 clock hours. Students must be at least 18 years of age.