

## **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](http://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



**ELECTRICITY /  
ELECTRONICS**

***work* **FORCE**  
*development***™

***"It's what we do!"***™

**TENNESSEE  
TECHNOLOGY  
CENTER**  
*at Elizabethton*

[www.ttcelizabethton.edu](http://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*

# ELECTRICITY/ELECTRONICS

The Electricity/Electronics Program provides students with basic theory, practice, experiments and real work experiences in this field. After completion of basic electrical and electronic curricula, students have the option of specializing in one or more of the following areas: Advanced Digital Electronics, Solid State Motor Controls, Robotics, and Programmable Logic Controllers. Upon completion of the course, students can apply this knowledge to today's ever-changing technological advancement in residential, commercial, industrial electricity and electronics.

## **UNITS OF STUDY**

- Orientation and Safety
- AC/DC Fundamentals
- Residential Wiring and NEC
- Transformer Theory
- Test Equipment & Soldering Techniques
- Blueprint Reading/Symbols/Applied Math
- AC/DC Motors and Controls
- Industrial Wiring
- Semiconductors/Electronic Circuits/Circuit Analysis
- Programmable Logic Controllers
- Digital Electronics
- Basic Robotics
- Basic Fiber Optics

## **LENGTH OF PROGRAM**

The average length of this competency-based program is 1296 hours (12 months) for full-time students choosing the Electricity field and 1728 hours (16 months) for the full-time student choosing the Electronics field. Actual time is dependent upon the length of time it takes 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 entry-level jobs within the Electricity/Electronics field.

## **ADMISSION REQUIREMENTS**

This program operates on an open-entry, open-exit basis. Students may enter the program anytime during the school year. However, entrance is dependent upon space availability. Students must be at least 18 years of age and have a High School Diploma, G.E.D., or equivalent experience.

## **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.ttelizabethton.edu](http://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](http://www.ttelizabethton.edu).

## **FINANCIAL AID**

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

## **CERTIFICATE AWARDS**

Electrician Helper  
Electronics Assembler

## **DIPLOMA AWARDS**

Electrician (12 months)  
Industrial Electronics Technician (16 months)

## **CLASS HOURS**

Classes meet from 8 a.m. to 3 p.m.  
Monday-Friday at the Main 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](http://www.ttelizabethton.edu)