



TENNESSEE COLLEGE  
OF APPLIED TECHNOLOGY  
KNOXVILLE

# Welding Technology

12 Month Program, Day and Night Classes At Multiple Locations

Day Program (M-F, 8:00am to 2:30pm)

Night Program (M-F, 3:30pm to 10:00pm)

## About

The Welding Technology program prepares the student for certification in a variety of welding techniques and processes. Students begin doing basic welding beads and progress step-by-step to achieve the final goal of pipe welding.

Progression is monitored and mastery of each technique is achieved by a combination of classroom, individual, and text book instruction.

Graduates of the Welding program will be able to demonstrate competencies in flame cutting, electric ARC welding, gas tungsten, gas metal ARC welding, and flux-cored ARC welding processes.

**Day Classes:** Main Campus, Anderson County Higher Education Center, Ruth and Steve West Workforce Development Center, and Oak Ridge High School.

**Night Classes:** Main Campus and Anderson County Higher Education Center.

## How To Apply

- Complete TCAT Knoxville Application for Enrollment online at [www.tcatknoxville.edu](http://www.tcatknoxville.edu).
- Complete the Free Application For Federal Student Aid (FAFSA) online at [www.studentaid.gov](http://www.studentaid.gov). Our school code is 004025.

## Curriculum and Courses

All full-time TCAT Knoxville programs include Workplace Characteristic courses each trimester.

- Technology Foundations
- Shop Orientation & Safety
- Cutting Processes
- Basic Shielded Metal Arc Welding
- Advanced Shielded Metal Arc Welding
- Blue Print Theory
- Basic Gas Tungsten Arc Welding
- Basic Gas Metal Arc Welding
- Advanced Gas Metal Arc Welding
- Blue Print Reading
- Advanced Gas Tungsten Arc Pipe Welding

## Completion Awards

432    Shielded Metal Arc Welder Certificate

864    Gas Metal Arc Welder Certificate

1296    Gas Tungsten Arc Welder Certificate

1296    Combination Welder Diploma

Completion Rate (as of 2022)

87%



Placement Rate (as of 2022)

84%

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