

## Surgical Technology

12 Months

Program provides students with classroom instruction and clinical experience. Course includes medical terminology, communications, anatomy/physiology, microbiology, and pharmacology. Students learn principles of patient preparation and care, surgical procedures, operative techniques, surgical instruments and equipment, and principals of asepsis.

## Truck Driving

7 Weeks

Students learn road safety, defensive driving, trip planning, logging, atlas reading, DOT specifications, and pre/post trip inspection process in classroom theory. In driver training students will be behind the wheel learning how to maneuver and back a tractor-trailer rig and will receive 'over the road' driver training. Upon successful completion, a tractor trailer rig will be provided for the CDL exam.

## Welding

12 Months

Students learn basic and advanced techniques of welding procedures and processes common in industry. Operations such as welding, grinding, flame cutting, and metal preparation. Practical work experience prepares students in the safe use of welding equipment while emphasizing the four basic positions of welding: flat, horizontal, vertical, and overhead. Evening program is available.

**2017-2018 Completion 82%**

**2017-2018 Placement 90%**

**2017-2018 Licensure 93%**

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# QUESTIONS?

## When does TCAT accept applications?

Application packets may be submitted throughout the year. After completing a packet and initiating financial aid your name will be placed on the admissions list. New students begin every month as openings occur.

## How will I pay for my training?

Financial aid is available to those who qualify through the Federal Pell Grant, Wilder-Naifeh Technical Skills Grant, TN Promise, TN Reconnect, WIOA, VA, and other scholarships.

## Will my high school credits transfer?

Usually, skills learned in high school will transfer. Should you wait several years before enrolling at TCAT, you will be asked by your TCAT instructor to demonstrate that you can still perform the tasks.

## Is there an admission test?

Practical nursing and surgical technology do require that you pass an entrance test before submitting your application packet. The cost is \$45.00 and is given once a month.

## Will TCAT find me a job?

TCAT will provide you with quality training. We will help you with your employment skills. We will help you in your job search. It is up to you to find employment. In many cases, employers call us seeking qualified employees.

## What is a typical day like at TCAT?

Normally, you will spend 6 hours a day, 5 days a week in your class doing mostly "hands-on" training. Should your math and reading skills need sharpened, you will take those classes as part of your training. Otherwise, your time will be spent in the classroom or shop area concentrating on your area of interest.



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# TCAT PROGRAMS

## Administrative Office

12 Months

Prepares students for entry-level office positions using a variety of instruction and practical work applications. This includes skills and technical knowledge for keyboarding, Microsoft Office, customer service, multi-line phone, office machines, etc. Students advance to one of three diploma areas: Administrative Assistant, Accounting Assistant, or Medical Assistant.

## Automotive

20 Months

Students build skills and technical knowledge which prepares them for entry-level positions and covers a broad range of light and heavy repair. Focus is on modern electrical / electronics systems and the repair of today's high tech vehicles. Students prepare for ASE exams in each of the eight subject areas.

## Building Construction

12 Months

Provides students with basic training in residential construction. Training in framing and finishing carpentry, basic blueprint reading and estimating costs of construction and basic masonry. Students participate in building a house from start to finish.

## Collision Repair

16 Months

Students follow the ADVANCE-TECH by ICAR curriculum. Skills are developed in welding; masking; sanding; painting; and repairing and replacing sheet metal; frame straightening; removing and replacing trim and accessories; and estimating repairs. This course prepares students to pass ASE certification.

## Computer Information

20 Months

This program is designed to provide students with firsthand knowledge of the software, hardware, and operations of personal computers. The program consists of studies in the major operating systems, diagnostics, plus configuration of computers and related peripheral devices. Student are prepared for the CompTIA A+, Networking and Security Certifications.

## Cosmetology

16 Months

The Cosmetology program provides the student with basic theory and clinical knowledge of the beauty industry through the use of approved textbooks, classroom instruction, and practical application with mannequins and live models.

## Diesel Powered Equipment

20 Months

The Diesel Powered Equipment Technology program provides practical experience in the repair and maintenance of diesel powered equipment. Students receive instruction in troubleshooting, engine analysis, disassembling engines replacing defective parts, reassembling. Students admitted to the Diesel Powered Equipment Technology program must have a valid driver's license prior to admission.

## Heating, A/C, Refrigeration

16 Months

Students acquire skills needed in a variety of domestic and light commercial heating and A/C service areas. Take and pass EPA 608 refrigerant handling certification test. Studies include installation and troubleshooting, domestic and commercial refrigeration, and all-weather systems. Prepares students to take HVAC excellence and NATE certifications. LLE is optional.

## Industrial Maintenance & Electrical

20 Months

Students learn entry-level industrial maintenance skills including industrial motor controls, national electric code(LLE), mechanical power transmission, pneumatics, hydraulics, robotics, and PLC's. Upon successful completion of the core courses, each student may choose one of three electives for the 5th trimester. The electives are basic welding techniques, basic machine tool, or heating ventilation air conditioning & refrigeration. Evening program is available.

## Machine Tool

16 Months

Students are trained in entry-level machining techniques. Study blueprints or written plans of the part to be made. Set up and operate machines to make parts to specified tolerances. Measures work using micrometers, depth gauges, and calipers. Program Wire EDM, CMM, VMC, Die Sinkers/RAM, EDM, and CNC Mills.

## Nursing Assistant

120 Hours

Students will learn theory and apply the context to clinical procedures. This will enable the student to gain the knowledge, skills, and confidence needed to practice within their field. The skills taught are: communication, patient and family rights, documentation, infection control and injury prevention, different stages of life, personal care, emergency care, patient management, comfort measures, and diversity.

## Power Sports

12 Months

The mission of the Powered Sport Technology Program is to prepare the trainee for entry into the vital repair and service aspect of this growing power sports industry. It is designed to meet the needs of both the trainee and their potential employer by equipping the student with the skills, knowledge, and confidence to enter the field. Training also includes learning to make proper diagnosis using test equipment, hand tools, special equipment, precision measuring tools, service manuals, and specifications.

## Practical Nursing

12 Months

Program provides students with classroom instruction and clinical experiences to master competencies required of a Licensed Practical Nurse. PN students perform patient assessments, medication administration, treatment and procedures, patient advocacy, education, and post-mortem care.

## Retail, Hospitality, & Tourism

12 Months

This program will graduate highly skilled professionals who possess a deep understanding of the industry and its many facets and available opportunities. The main focus will be on developing student's technical skills via hands-on and problem-based learning in basic retail management, hospitality supervisory fundamentals, customer service essentials, and information & communication technologies.

