



Programs Offered at our Portland Campus
602 South Broadway

1. **Cosmetology** – Instructors: Christina Heard & Hydrie Pasic

Program Length: 1,500 hours (roughly 15 months)

The Cosmetology program provides necessary training in theory and clinical knowledge for students to be successful within the Cosmetology industry. Instruction is designed to qualify students for employment upon graduation and to aid in the passing of the Tennessee State Board of Cosmetology Licensing Exam.

Program Credentials:

Shampooist Certificate (300 hours)

Cosmetologist Diploma (1500 hours)

2. **Computer Operating Systems, Networking, & Cybersecurity** – Instructor: Joseph Redemske

Program Length: 1,296 hours (12 months)

The mission of the Computer Operating Systems, Networking and Cybersecurity program is to provide the information technology industry with CompTIA (Computing Technical Industry Association) certified personnel. Students will be provided the highest quality technical training and job-related skills in Computer and Network Servicing and Cybersecurity Fundamentals. The program is intended to provide the theoretical and mechanical skills needed to perform successfully in specifying, assembling, and installing new systems, diagnosing and correcting system failure, maintaining and upgrading existing systems, and establishing, training and practicing cybersecurity principals.

Program Credentials:

Computer Hardware and Software Support Specialist Certificate (432 hours)

Network Control Specialist Certificate (864 hours)

Computer Operating Systems & Network Technology Diploma (1296 hours)

3. **Industrial Maintenance / Mechatronics** – Instructor: Ethan Copas

Program Length: 1,728 hours (16 months)

This program includes classroom and “hands-on” experience in electronics, electrical, pneumatics, hydraulics, motor controls, programmable controllers, robotics, machine shop, and related math. Students completing this program are prepared to perform at entry level in a typical industrial environment.

Program Credentials:

Mechanical Certificate (432 hours)

Electrical Certificate (864 hours)

PLC Certificate (1296 hours)

Industrial Maintenance Technician Diploma (1728 hours)

4. Machine Tool Technology – Instructor: Monte Nelson

Program Length: 1,728 hours (16 months)

This program develops basic skills in Machine Tool operations and provides experience on a variety of tools such as lathes, milling machines, Computer Numerical Control (CNC) machines, and Computer Aided Design-Computer Aided Manufacturing (CAD-CAM). Training includes industry applied math, blueprint reading, precision measuring, basic metallurgy, and heat treating.

Program Credentials:

Production Machine Tender Certificate (432 hours)

Machine Set-Up Operator Certificate (864 hours)

General Machinist Certificate (1296 hours)

Machinist I Diploma (1728 hours)

5. Residential, Commercial, Industrial Electricity – Instructors: Brett Adams & Jimmie Brown

Program Length: 1,296 hours (12 months)

Students can expect to learn the following concepts through academic and lab projects: electrical and construction safety, AC and DC circuit fundamentals, residential wiring fundamentals, commercial wiring fundamentals, industrial control wiring fundamentals, and electrical code fundamentals. This program is designed to take prospective students and assist them in becoming apprentice level electrical workers.

Program Credentials:

Electrician Helper Certificate (432 hours)

Residential Apprentice Diploma (864 hours)

Residential/Commercial/Industrial Electrician Diploma (1296 hours)

6. Welding Technology – Instructor: Colton McDonald

Program Length: 1,296 hours (12 months)

This program prepares students for certification via a comprehensive learning process that teaches theory, fundamentals, equipment, and techniques of welding technology. This class provides thorough coverage of common welding and cutting processes, including gas tungsten arc welding, gas metal arc welding, shielded metal arc welding, oxy-fuel gas welding and cutting, plasma arc cutting, and resistance welding. The class includes extensive instruction in welding symbol knowledge, welding testing, inspection, and preparation for employment in the welding field.

Program Credentials:

Shielded Metal Arc Welder Certificate (432 hours)

Gas Metal Arc Welder Certificate (864 hours)

Gas Tungsten Arc Welder/Combination Welder Certificate (1296 hours)

Combination Welder Diploma (1296 hours)

For more information, contact Hayley Goad, Programs Coordinator
Hayley.Goad@tcatsnashville.edu
(615) 325-6014

