



Welding Program Fact Sheet 2024-2025

Program Description

- This course covers the basic introduction to welding/ thermal cutting and basic metallurgy. Students will learn the basics of welding in various forms including SMAW and GMAW, safe usage of oxy/fuel cutting, and the various types of ferrous and nonferrous metals. Students will be introduced to the various positions of welding and how to properly fuse metals. Students will learn how to properly set up and operate an oxy/fuel thermal cutting torch.

Occupational Outlook¹

- **Median Pay** = \$47,010/year (\$22.60/hour)
 - **Job Growth (2021-2031)** = 2% (As fast as average)
- ¹ U.S. Bureau of Labor Statistics Occupational Outlook Handbook

Cost

- \$10,750 - includes tuition, program supplies, and books.
- Financial assistance through grants, scholarships and loans is available for those who qualify.

Program Completion Requirements

- Successful completion of all coursework and program competencies.
- Be in compliance with the attendance policy.

Admission Requirements

Note: Student must be 18 years of age or older, and possess a high school diploma or GED.

1. Complete an Application.
2. Provide a copy of high school transcript/diploma, GED certificate, or college transcript.
3. Display ability to succeed in the classroom through one of the following measures (a or b):
 - a. Dated within the last 3 years from class start date, one of the following (i-vi):
 - i. High School Transcript showing a 2.5 Cumulative GPA or higher.
 - ii. GED earned with a score of 145 or higher in Language Arts.
 - iii. High School Equivalency Diploma earned with a score of 8 or higher on the Reading section of the HiSet test.
 - iv. TEAS test results showing 41.3% or higher score in the Reading section.
 - v. Passing TABE score on file at CCSD ACTE.
 - vi. College Transcript to be reviewed and approved by the Director.
 - b. Take the Adult Basic Education Admissions Test (TABE) and meet the following minimum scores:
 - Reading: 536If the minimum score is not achieved, assistance is required through our Adult College & Career Readiness Center (Aspire) before re-test.
4. Complete an interview with school staff.
5. Complete financial aid paperwork.

Class Schedule

- September 3, 2024 – June 17, 2025
- Program Orientation days are on August 28, 2024 and August 29, 2024
- Evening Program
- Monday-Friday
- 5:30pm – 10:00pm

Program Outline

- **Introduction to Welding: 400 hours**

Lab Time: 315 hours

Class Time: 85 hours

Total: 400 hours

Methods of Assessment

Visual inspection of welds in various positions, differing processes and differing tensile strength consumables. (SMAW, GMAW, GTAW) Visual inspection of various types of thermal cutting. (Oxy/fuel, PAC, CAC-A)

- **3G D1.1 SMAW Test Preparation: 200 hours**

Lab Time: 160 hours

Class Time: 40 hours

Total: 200 hours

Methods of Assessment

Visual inspection and destructive testing in accordance to AWS D1.1 welding code

- **4G D1.1 SMAW Test Preparation: 200 hours**

Lab Time: 160 hours

Class Time: 40 Hours

Total: 200 hours

Methods of Assessment

Visual inspection and destructive testing in accordance to AWS D1.1 welding code

Qualification

- All testing shall conform to American Welding Society Structural Code D1.1, D1.5
- 3G Unlimited Upward Progression and 4G Unlimited

The above is subject to change dependent upon school and community needs.

Mission Statement: Our mission is to provide the personal and professional development skills for our adult learners to obtain industry credentials for career employment in Northeast Ohio in-demand jobs, and future success in life.

Canton City School District Adult Career & Technical Education Center is an equal education and employment institution. CCSD ACTE admits students of any race, color, national or ethnic origin, religion, sex, age, and disability to all the rights, privileges, programs, and activities generally accorded or made available to students at CCSD ACTE. It does not discriminate on the basis of race, color, national or ethnic origin, religion, sex, age, disability or any other characteristic provided by state or federal law in the administration of its educational policies, admissions policies, scholarship and loan programs, and other school administrative programs.