



Butte County CTE - Professional Welding Academy Personal Characteristics and Requirements 2024-2025

Thank you for your interest in the **Butte County CTE Professional Welding Program**. It is important that you know some information about this program and occupation prior to starting.

Professional Welders and Welding students must be able to perform specific essential functions with or without reasonable accommodation, including:

- Operate welding machines, torches, and related tools safely
- Execute various welding techniques on different materials
- Interpret technical drawings and specifications to understand welding requirements
- Accurately measure and cut metal components to the required dimensions
- Adhere to safety guidelines, including wearing protective gear and following proper procedures
- Assess the quality and integrity of welds using visual inspection and testing methods
- Lift, position, and secure heavy metal parts safely and efficiently
- Use ventilation systems and respiratory protection to handle welding fumes and gases
- Conduct regular maintenance and minor repairs on welding equipment
- Work effectively in various settings, including confined spaces and at heights
- Exhibit fine motor skills and hand-eye coordination for precise welding tasks
- Understand and implement instructions from supervisors or training materials accurately

In addition, this occupation may include exposure to:

- Various environments such as industrial plants, construction sites, and shipyards, with challenges including confined spaces, extreme temperatures, and heavy machinery
- Heat and fire hazards from welding arcs and sparks, requiring the use of fire-resistant clothing, proper ventilation, and fire safety equipment
- Harmful welding fumes and gases, as well as the risk of electric shock from high-voltage equipment, necessitating respiratory protection, adequate ventilation, and gloves
- UV radiation and high noise levels, which can affect the eyes, skin, and hearing, making protective eyewear, skin protection, and hearing protection crucial

Attendance Standards:

- Students must maintain a 90% attendance rate to be eligible for a CTE Certificate of Proficiency.

Academic Standards:

- Students must progress toward earning a Certificate of Proficiency (at least a C grade is required).

Butte County CTE students are required to adhere to the policies outlined in the **CTE Student Handbook**.

I understand and can perform the essential functions of a Professional Welder.

Signature

Date