



# Welding



Program of Study: A8A

**Manufacturing**  
Career Cluster

## Level 1 Course



**Introduction to  
Welding**

## Level 2 Course



**Welding I**

## Level 3 Course



**Welding II**

## Level 4 Course



**Practicum of  
Entrepreneurship**

The Welding program of study focuses on the development and use of automatic and computer-controlled machines, tools, and robots that perform work on metal or plastic. CTE learners will learn how to modify parts to make or repair machine tools or maintain individual machines, and how to use hand-welding or flame-cutting equipment.

### Industry Based Certifications:

- AWS D1.1
- AWS D9.1
- NCCER Core
- NCCER Welding Level I