

Welding Pathway

Earn the Business and Industry endorsement by completing four credits within the CTE Manufacturing Cluster, including one advanced course, as noted by **(ADV)**.

Introduction to Welding

Course ID: CMF03 A&B/13032250
Credit: 1.0

Learn basic welding laboratory principles and operating procedures including three basic welding processes. Explore industrial safety and health practices, hand tool and power machine use, measurement, laboratory operating procedures, welding power sources, codes and standards through lab activities.



Welding I

Course ID: CMF13 A&B/13032300
Credit: 2.0

Expand knowledge of welding techniques including joint design, symbols and welds, inspections and related codes. Create projects using oxy-fuel cutting processes, plasma arc cutting, shielded metal arc welding and gas metal arc welding practices.



Welding II (ADV)

Course ID: CMF23 A&B/13032400
Credit: 2.0

Gain mastery of the functions and applications of the tools, equipment, technologies, and metals used in code welding. Develop advanced welding skills for pursuit of career opportunities in welding through projects created in lab using multiple welding processes.

- **PR: Completion of Welding I**

Pathway Notes:

- Pathway available at SWHS.

Certification Available:

NCCER Core
NCCER Welding Level 1
American Welding Society (AWS) D1.1 Welding