



## **Welding**

Certificate of Completion

18 credit hours

In Person

The Certificate of Completion in Welding Technology is designed to equip the student with the skills and knowledge needed to enter the welding industry by providing an introduction and orientation to the welding industry and the various cutting processes used. The program is designed with multiple welding processes which may include:

- Oxyacetylene Torch Cutting and Welding (OFC/OFW).
- Shielded Metal Arc Welding (SMAW).
- Gas Metal Arc Welding (GMAW).
- Flux Core Arc Welding (FCAW).
- Gas Tungsten Arc Welding (GTAW). Upon completion of the certificate students will be able to:
- Demonstrate proper weld joints and weld positions.
- Identify proper names of the parts of a weld and be able to analyze welds to determine good versus defective.
- Apply understanding of basic metal identification and metallurgy and names of common metal shapes.

### **Suggested order and time of completion:**

#### Freshman/Sophomore Year

FYEX 1141- Career Explorations and Planning

BUSA 1130 – Business Professionalism (3)

WELD 110 – Intro to Welding (4)

CNST 121 – Blueprint Reading (1)

#### Junior Year

WELD 125 – Gas Metal Arc (3)

WELD 131 – Shielded Metal Arc I (3)

#### Senior Year

WELD 135 – Gas Tungsten Arc I (3)

WELD 289 – Internship Training (2)