WELDING

The welding certificate program is designed to provide students with technical knowledge and skills for entry level employment. Content will cover v-groove welds in flat, horizontal, vertical and overhead positions. Theory will be augmented with hands-on laboratory instruction.

Upon successful completion of the welding certificate, the graduate will be able to:

- Demonstrate cutting skills required in the operation of various welding processes.
- Apply industrial field safety techniques in the operation of various welding and cutting processes.
- Read and interpret blueprints for welding professionals.
- Prepare v-groove welds in the horizontal, vertical and overhead positions.

CERTIFICATES

WELDING

SEMESTER I	SEMESTER II
MTH106 Math for Welders 1	**WLD201** Shielded Metal Arc Welding (SMAW) III ▲ 4
SAF101 OSHA 30 General Industry Training Course ▲ 3	**WLD202** Blueprint Reading for Welders ▲ 4
WLD111 Shielded Metal Arc Welding (SMAW) I ▲ 4	**WLD213** Gas Metal Arc Welding ▲ 4
WLD121 Shielded Metal Arc Welding (SMAW) II ▲ 4	
11 Credits	**12 Credits**

24 SEMESTER CREDITS

▲Student must obtain a letter grade of C or better to progress to graduation/certification.

SEMESTER I	SEMESTER II
WLD250 Capstone 3	Technical or General Elective 3 or 4
WLD211 Open Root Groove Welding on Plate ▲ 4	**WLD251** WLD Practicum ▲ 6
WLD214 Gas Tungsten Arc Welding ▲ 4	**WLD212** Open Root Groove Welding on Pipe ▲ 4
11 Credits	**13-14 Credits**

24 SEMESTER CREDITS

▲Student must obtain a letter grade of C or better to progress to graduation/certification.

This certificate will be granted at the end of the program upon successful completion of a written and performance test (visual and guided bend).

Technical Electives:

DES110 – Drafting (3) DES115- AutoCAD (3) WLD222- Fabrication, Layout, & Design (4)
EGT110 –Metals/ Metallurgy (3)