WELDING (WELD)

WELD 130 Introduction to Welding (3 Credit Hours)
Type of credit: Occupational/Technical
Lecture hours: 2
Lab hours: 2
Develops the student's ability to weld using various materials and positions. Includes safety, terminology, preparation, and operation of Shielded Metal Arc Welding (SMAW) and Gas Metal Arc Welding (GMAW) Equipment.

WELD 135 Shield Arc/Oxyacetylene Weldng (3 Credit Hours)
Type of credit: Occupational/Technical
Lecture hours: 2
Lab hours: 2
Repeatable: 6 times
This course develops the student's ability to weld various material in a variety of positions. Gas Metal ARC welding and Gas, Oxygen-Acetylene equipment will be used. Safety, proper set-up and operation of the equipment will be emphasized. Students will also be introduced to the basic welding joints, positions and terminology.

WELD 232 Interm Welding/Fabrication (3 Credit Hours)
Type of credit: Occupational/Technical
Lecture hours: 2
Lab hours: 2
Repeatable: 6 times
Prerequisite: WELD 130 or WELD 135.
This course will further develop those welding skills obtained in Introduction to Welding (WELD 130). Fabrication as related to the welding field will be emphasized. Fabrication will start with Print Reading, Mathematical Interpretation and Layout. The fabrication process will continue with cutting, surface preparation and fixturing. The final process will be to weld and inspect.

WELD 233 Advanced Welding Processes (3 Credit Hours)
Type of credit: Occupational/Technical
Lecture hours: 2
Lab hours: 2
Repeatable: 6 times
Prerequisite: WELD 232.
Develops advanced skills of the welder in the use of Gas Metal Arc Welding (GMAW) and Tungsten Inert Gas Welding (TIG). Welding of carbon steel, aluminum, and alloy steels will be practiced in all positions to meet commercial standards.

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