



Welding (WELD)

WELD 130 ○ Introduction to Welding

*COURSE DATA: CREDITS: 3 • LECTURE: 2 • LAB: 2 • REPEAT: 0

Develops the student's ability to weld using various materials and positions. Includes safety, terminology, preparation, and operation of Shielded (SMAW) and Gas (GMAW) Metal Arc Welding Equipment.

WELD 135 ○ Shielded Arc and Oxyacetylene Welding

*COURSE DATA: CREDITS: 3V • LECTURE: 2 • LAB: 2 • REPEAT: 0

Develops the student's skill in welding and cutting mild steel and cast iron in various positions with oxyacetylene and AC/DC arc welding equipment. Develops the student's knowledge of metals and their characteristics. This course also meets the needs of students enrolled in other technical programs.

WELD 232 ○ Intermediate Welding and Fabrication

*COURSE DATA: CREDITS: 3V • LECTURE: 2 • LAB: 2 • REPEAT: 0
PREREQUISITE: WELD 130 or WELD 135 or consent of instructor

Develops the knowledge and skill of the welder in the operation and use of the continuous metal wire arc welding process (MIG). Welding of structural steel and aluminum, arc cutting and surfacing will be practiced to meet commercial standards. All position welding will be included.

WELD 233 ○ Advanced Welding Processes

*COURSE DATA: CREDITS: 3V • LECTURE: 2 • LAB: 2 • REPEAT: 0
PREREQUISITE: WELD 232 or consent of instructor

Develops the skill of the welder in the use of tungsten inert gas (TIG). Welding of carbon steel, aluminum, and alloy steels will be practiced in all positions to meet commercial standards.

