

# WELDING (WDG)

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**WDG-1100 Workplace Safety and Tools (3 Credits)**

This course provides an introduction to Apprenticeship and Industry training as well as the safety protocols and practices that apply in the welding trade. Practical applications of safety equipment and procedures will be practiced. Oxy-fuel, plasma and CAC-A cutting will be observed. Not available for supplemental. Not eligible for Prior Learning Assessment.

Instruction (3.0), Lab (2.0)

Requisite courses: Take WDG-1100L (Required, Concurrent).

**WDG-1101 Welding Technology & Properties of Metal (6 Credits)**

This course will provide background principles and practices related to materials and related processes of the welding trade. Not available for supplemental. Not eligible for Prior Learning Assessment.

Instruction (5.0), Lab (1.0)

Requisite courses: Take WDG-1101L (Required, Concurrent).

**WDG-1102 Welding Process GMAW, FCAW, MCAW, SAW (6 Credits)**

Students will apply the principles in the use of a variety of equipment, processes and welds in a practical setting. Not available for supplemental. Not eligible for Prior Learning Assessment.

Instruction (2.0), Lab (10.0)

Requisite courses: Take WDG-1102L (Required, Concurrent).

**WDG-1103 Welding Trade Math (3 Credits)**

Students will apply math principles to practical situations specific to the welding trade. Not available for supplemental. Not eligible for Prior Learning Assessment.

Instruction (3)

**WDG-1104 Practicum Placement (1.5 Credits)**

Students will spend two weeks in an industry setting with a work-site based experience host. The student will be exposed to industry demands and conditions. Not available for supplemental. Not eligible for Prior Learning Assessment.

Instruction (2.0), Work Integrated Learning (5.0)

Requisite courses: Take WDG-1104W (Required, Concurrent).