

WELDING-ADVANCED LEVEL

Certificate of Achievement

The Welding Program offers the academic and practical skills needed for those seeking to advance their current positions, or gain a new and exciting career, or to learn a new hobby. The most common electric arc welding processes used in today's industry are covered, including GMW, GTAW, SMAW, Inner Shield, and Dual Shield. The proper use of numerous pieces of metal working equipment and various fabrication techniques are included. Students will gain the technical and hands-on knowledge to work with ferrous or non-ferrous metals in various positions and configurations. Students can gain Certificates of Achievement, nationally recognized American Welding Society (AWS) welding certificates and the Associate in Science degree in Welding.

Important: To obtain the Certificate of Achievement in Welding-Advanced Level, students must complete the following requirements with a minimum grade point average (GPA) of 2.0:

- The Welding certificate requirements below.
- All certificate courses must be completed with a C or better.

Requirements for the Certificate

- Complete the following: ----- 23 units
 - WELD 0957- Power Plant and Field Pipe Welding (3)
 - WELD 1101- Beginning Welding (3)
 - WELD 1102- Advanced Welding (3)
 - WELD 1103- Metal Fabrication (3)
 - WELD 1104- Gas Metal Arc Welding(3)
 - WELD 1105- Gas Tungsten Arc Welding (3)
 - WELD 2101- Weld Qualification (3)
 - WELD 2102- Advanced Welding Applications (2)
- Complete **one** of the following: ----- 3 units
 - BA 1004- Business Communications (3)
 - ENGL 1001- College Composition (3)
- Complete **one** of the following: ----- 3-5 units
 - BA 0959- Business and Practical Math (3)
 - Any one MATH course approved for COSGE Area B: Mathematics (3-5)
- Complete **one** of the following: ----- 3 units
 - CSCI 1001- Introduction to Computer Science (3)
 - CSCI 1020- Introduction to Computer Applications (3)

Total Units ----- **32-34**