

Certificate of Achievement: Metal Fabrication

The Certificate of Achievement in Metal Fabrication provides theoretical and hands-on skills in the safe and efficient use of industry relevant metal fabrication tools equipment. Coursework includes project design, use of CNC press brake & plasma cutting equipment, manual machining, sheet metal fabrication, tube bending, metal forming/shaping and welding. Program completers are prepared for entry level employment in industries as aerospace, motorsports, petrochemical, and general fabrication.

Certificate Student Learning Outcome:

Students will be able to demonstrate proficiency in industry recognized principles and practices as they apply to today's welding and metal fabrication industries.

Program Requirements:

Units Required: 19.5

	Units:
WELD-100A Introduction to Metal Fabrication	2.5
WELD-100B Intermediate Metal Fabrication	2.5
WELD-100C Advanced Metal Fabrication	2.5

Required Electives:

WELD-130 Welding Metallurgy	3.0
WELD-131 Non-Destructive Testing	3.0
WELD-133 Welding Inspection	3.0
WELD-135 Fundamentals CNC Plasma Arc Cutting	3.0