

## Program Requirements

Los Medanos College

Certificate of Achievement – Welding Technology

Spring 2022

The program in Welding Technology offers instruction in the principles and practices of welding processes. Successful completion of the program provides sufficient training for entry level into the field of production type welding. Students have access to the latest instructional and practical experiences in a spacious, modern shop facility.

For the Certificate of Achievement in Welding Technology, complete the units of coursework listed below. Consult a Los Medanos College counselor to develop your education plan

### **Certificate of Achievement – Welding**

#### **REQUIRED COURSES: UNITS**

WELD-010 Basic Arc Welding Theory, 3 units

WELD-011 Basic Shielded Metal Arc Welding Practice, 2 units

WELD-015 Basic Oxyacetylene Welding, 2 units

WELD-016 Advanced Oxyacetylene Welding, 1 unit

WELD-020 Intermediate Shielded Metal Arc Welding Practice, 2 units

WELD-021 Advanced Shielded Metal Arc Welding Practice, 2 units

WELD-031 TIG Welding Practice, 2 units

WELD-033 MIG Welding Practice, 2 units

WELD-035 Blueprint Reading for Welders, 3 units

WELD-040 TIG, MIG and FCA Welding Theory, 3 units

WELD-041 Pipe Welding Practice, 2 units

WELD-043 Flux-Core Arc Welding Practice, 2 units (Subtotal units 26)

ENGL-095 Accelerated Reading, writing and Critical Thinking, 5 units (Subtotal units 31)

or

ENGL-100 College Composition, 3 units (Subtotal units 29)

COMSC-60 Information Technologies, 4 units

or

BUS-160 Personal Finance, 3 units (Subtotal units: 32-35)

MATH 12 or higher\* Prealgebra, 4 units (Math units 3-7 units)

**TOTAL UNITS REQUIRED FOR THIS CERTIFICATE: 35-42**

\*Possible higher Math courses (3-7 units) 25, 26, 27, 29, 30, 25m 119m 119s(and 110 together), 120, 140, 155, 160, 210, 220, 230, 240, 250