

Welding Technology A.S. Degree

The program of studies in Welding Technology is designed to provide comprehensive occupational training in welding methods currently used in the welding fabrication industry. Students will be taught the manipulative skills and the technical knowledge required to operate oxyacetylene, shielded electric arc, MIG, TIG, and semiautomatic flame cutting. They will be prepared for certification as required by employment in the welding industry.

Requirements: 24 units

Course	Title	Units
WEL 100	Oxyacetylene Gas Welding	3
WEL 101	Shielded Metal Arc Welding	3
WEL 102	Basic Gas Metal Arc Welding	3
WEL 103	Basic Gas Tungsten Arc Welding	3
WEL 200	Advanced Metal Arc Welding	3
WEL 201	Advanced Gas Tungsten Arc Welding	3
WEL 202	Advanced Oxyacetylene Gas Welding	3
WEL 203	Consolidated Welding	3

Electives: 6 Units

Course	Title	Units
WEL 120	Intro to Welding Principles & Practices	3
WEL 121	Resistance Welding & Special Welding Applications	3
WEL 122	Principles & Practices of Metal Technology and Professional Welding	3
WEL250	Industrial Shielded Metal Arc Welding (SMAW) I	3
WEL251	Industrial Flux Cored Arc Welding (FCAW) I	3
WEL252	Industrial Shielded Metal Arc Welding (SMAW) II	3
WEL253	Industrial Flux Cored Arc Welding (FCAW) II	3

Total Required Units: 30

In addition to the Core Courses required for the A.S. Degree Welding Technology, students will also be required to meet the Associate Degree Requirements and the General Education Requirements (Option A) listed in this catalog.