

Welding Technology Program
Associate of Applied Science Degree
60 Credit Hours

Purpose:

The Associate of Applied Science Welding Technology Program prepares graduates to enter the field of welding. The program educates the graduate in the selection of the correct equipment; selection of filler metals; pre, intermediate, and post heat treatment of welded metals; and proper weld techniques. The program stresses industry-wide safety procedures and trains the student to read weld symbols and detail drawings. The Welding Technology Program provides students with a solid foundation which will enable them to achieve American Weld Society Certification in such areas as: Shielded Metal Arc Welding, Gas Metal Arc Welding, Gas Tungsten Arc Welding, and Flux-Core Arc Welding.

Support Courses:

CS 102	Computer Literacy	3 Credit Hours
EN 101 or EN 101A	English Composition I	3 Credit Hours
MT 121 or MT 121A	College Mathematics for General Education	3 Credit Hours
OR 105	Orientation to Technical Programs	1 Credit Hour
SP 103	Speech Fundamentals	3 Credit Hours
Restricted Elective	¹ Management Elective	3 Credit Hours
Restricted Elective	² Social Science Elective	3 Credit Hours

Major Courses:

WL 100	Oxyacetylene Welding (OAW)	4 Credit Hours
WL 102	Fundamentals of Welding	4 Credit Hours
WL 103	Blueprint Reading and Metallurgy	3 Credit Hours
WL 104	Shielded Metal Arc Welding (SMAW)	3 Credit Hours
WL 201	Gas Metal Arc Welding (GMAW)	3 Credit Hours
WL 202	Gas Tungsten Metal Arc Welding (GTAW)	3 Credit Hours
WL 203	Flux-Core Arc Welding (FCAW)	3 Credit Hours
WL 210	Commercial & Industrial Welding Practices	3 Credit Hours
WL 298	Capstone	3 Credit Hours
Restricted Electives	³ Specialization Courses	12 Credit Hours

¹Choose from MG 262, MG 264, MG 266, or MG 272

²Choose from any Psychology or Sociology course

³Specialization Courses (minimum of 12 credit hours): Students must complete a series of restricted electives. Courses offered to fulfill the electives will be structured around current business and industry demands. Courses are limited to Advanced Welding, CAD/CAM for Welding, courses not already required by the program and other related courses as approved by the Division Head of Applied and Industrial Technology.

For more information, please contact:

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