

WELDER - AUTOMOTIVE WELDING, CUTTING & MODIFICATION (CERTIFICATE N0648)

Technology and Health Division

Certificate N0648

Prepares students for entry-level employment as a licensed welder with additional skills development and theory in automotive welding, cutting and modification. Coursework prepares students for industry licensing with emphasis on competencies required for certification in structural steel welding and specialty skills in automotive welding.

Required Courses

Course Prefix	Course Name	Units
WELD 40	Introduction to Welding ¹	2
WELD 50	Oxyacetylene Welding	2
WELD 51	Basic Electric Arc Welding	2
WELD 53A	Welding Metallurgy	3
WELD 60	Print Reading and Computations for Welders	3
WELD 70A	Beginning Arc Welding	3
WELD 70B	Intermediate Arc Welding	3
WELD 70C	Certification for Welders	3
WELD 80	Construction Fabrication and Welding	3
WELD 81	Pipe and Tube Welding	3
WELD 91	Automotive Welding, Cutting and Modification	1
Total Units		28

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Note: Any higher level welding courses may be substituted for WELD 40.

Air Conditioning & Welding Website (<http://www.mtsac.edu/airconditioning-welding/>)

Program Learning Outcomes

Upon successful completion of this program, a student will:

- be employed or seeking employment in the field or a related field.
- be technically competent.
- be able to perform the required practical projects used in GMAW welding and cutting.

Review Student Learning Outcomes (SLOs) (<http://www.mtsac.edu/instruction/outcomes/sloinfo.html>) for this program.