

WELDER - GAS TUNGSTEN ARC WELDING (CERTIFICATE T0932)

Technology and Health Division

Certificate T0932

Prepares students for entry-level employment as a licensed welder with additional skills development and theory in gas tungsten ARC welding. Coursework prepares students for industry licensing with emphasis on competencies required for certification in aluminum, CRES, mild steel and selected exotic metals with specialty skills in gas tungsten ARC 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 90A	Gas Tungsten Arc Welding	3
Total Units		30

¹ Note: Any higher level welding courses may be substituted for WELD 40.

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

Guided Pathways of Study Suggested Course Sequence (<https://www.mtsac.edu/guided-pathways/pathway-results.html?pthwyvar=T0932&desc=Welder+Gas+Tungsten+Arc+Welding%2C+Certificate+T0932>)

Program Learning Outcomes

Upon successful completion of this program, a student will be able to:

- Be technically competent.
- Be employed or seeking employment in their area or a related area.
- Solve problems as related to preparing materials prior to welding.

Review [Student Learning Outcomes \(SLOs\)](#) for this program.