

# VOC: GAS, TUNGSTEN ARC, WELDING

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## #24380

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.

### Program Learning Outcomes

- Students will be employed or seeking employment in the field or a related field.
- Students will be technically competent.
- Students will solve problems as related to preparing materials prior to welding.

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

### Required Courses

VOC WL40	Introduction to Welding
VOC WL50	Oxyacetylene Welding
VOC WL51	Basic Electric Arc Welding
VOC WL53A	Welding Metallurgy
VOC WL60	Print Reading and Computations for Welders
VOC WL70A	Beginning Arc Welding
VOC WL70B	Intermediate Arc Welding
VOC WL70C	Certification for Welders
VOC WL80	Construction Fabrication and Welding
VOC WL81	Pipe and Tube Welding
VOC WL90A	Gas Tungsten Arc Welding