

VOC: GAS, TUNGSTEN ARC, WELDING

#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

| Course Prefix | Course Name | Units |
|---------------|--|-------|
| 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 | |