

# VOC: LICENSED WELDER

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## #24223

This certificate is designed to prepare students for entry-level employment in the broad field of welding, including manufacturing, construction, fabrication and repair. Through theoretical and hands-on skills coursework, students prepare for industry licensing with an understanding of current guidelines and standards. Particular emphasis is placed on those competencies required for certification in structural steel welding. Course sequences can be modified to reflect industry experience or other individual needs.

### Program Learning Outcomes

- Students will be employed or seeking employment in the field or a related field.
- Students will be technically competent.
- Students will identify print views, lines and dimensioning methods.

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	