

VOC: LICENSED WELDER

#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

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| 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 |