

SEMIAUTOMATIC ARC, WELDING

Certificate of Completion

#24379

Prepares students for entry-level employment as a licensed welder with additional skills development and theory in semiautomatic ARC welding. Coursework prepares students for industry licensing with emphasis on competencies required for certification in structural steel welding and specialty skills in semiautomatic ARC welding.

Program Learning Outcomes

- Students will be employed or seeking employment in the area of study or a related area.
- Students will be technically competent.
- Students will demonstrate safe operation of welding equipment.

Review [Student Learning Outcomes \(SLOs\)](#) 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 WL90B	Semiautomatic Arc Welding Process	

Vocational Studies

Continuing Education classes, also known as “Noncredit,” are financially supported by the state of California and are offered tuition-free. Noncredit classes are designed to provide students with a high-quality learning experience with the opportunity to gain new skills and embark on new career pathways. Noncredit programs at Mt. SAC include Adult Basic Education (ABE), Education for Older Adults (EOA), English as a Second Language (ESL), Short-Term Vocational (STV), Vocational Re-Entry (VRE), and IMPACT/Adults with Disabilities (AWD). Below are certificate opportunities in the STV and VRE programs.