

LAS VEGAS INSTITUTE OF WELDING

The **Introduction to Welding** courses are designed to prepare the student for an entry level position within the workforce. The complete 100 hour courses have been divided into very specific learning modules which are designed to provide the student with the commonly required prerequisites for work within the welding and welding related occupations. The course training modules are grouped into 2 specific groupings: SMAW and GMAW. SMAW is the correct industry name for shielded metal arc welding, sometimes known as “stick welding”. GMAW is the correct industry name for gas metal arc welding, sometimes known as “MIG”.

Classes will be from Monday through Friday, 5 hours per day for 4 weeks, totaling the complete 100 course.

SMAW Learning Modules: class lab class lab

A) Welding Safety/Orientation	3		J. SMAW – Open-Root Groove Welds – Plate	1	
B) SMAW Electrodes	1		K. Air-Carbon Arc Cutting	1	2
C) SMAW Equipment Setup	1.5	2	L. Plasma Arc Cutting	.5	1
D) Weld Quality	2	2	M. Oxyfuel Cutting	2	3
E) Welding Symbols	2		N. CPR – First Aid	5	
F) Base Metal Preparation	2	3	O. Certified Forklift Operator	4	1
G) Joint Fit-up and Alignment	.5	1.5	P. OSHA 10	10	
H) SMAW Beads and Fillets	3	22			
I) SMAW Groove Welds	3	21			

It is highly recommended that the student receive an eye examination prior to registering for any class. Weld quality is highly dependent on clear and accurate vision, especially at a “reading distance”, approximately 8 – 24”.

The welding courses at Las Vegas Institute of Welding (LVIW) are specially designed according to the actual and realistic needs of a true worksite. That is the reason that all of the materials and tools supplied through LVIW are of the standard used by welding professionals. In addition, LVIW courses provide common jobsite required instruction and certification for CPR/First Aid, Forklift Operator, and OSHA 10 within all of our welding course curriculums.

LVIW is licensed by the Nevada Commission on Postsecondary Education. LVIW is an Educational Institution Member of the American Welding Society. Our training was developed in conjunction with the National Construction Education and Research organization.

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