

WELDING

W 150 Arc Welding

Introduces basic arc welding skills with an emphasis on safety, oxy-acetylene cutting, shielded metal arc welding and GMAW (MIG) welding techniques. Recommended Preparation: Eligibility for MATH 154.

Section	Days	Times	Units	Instructor	Room
64317	W	06:00PM-06:50PM	2.00	G.Brown	1306
&	W	07:00PM-10:05PM		G.Brown	1306
64318	TH	06:00PM-06:50PM	2.00	D.Zumaran	1306
&	TH	07:00PM-10:05PM		D.Zumaran	1306

W 151 Gas and TIG Welding

Presents a basic training in the flat and out of position welding of steels with the oxy-acetylene welding method, followed by the welding of steels, aluminum, and stainless steel with the GTAW process. Recommended Preparation: Eligibility for MATH 154.

Section	Days	Times	Units	Instructor	Room
64319	M	01:00PM-01:50PM	2.00	R.Royer	1306
&	M	02:00PM-05:05PM		R.Royer	1306
64320	M	06:00PM-06:50PM	2.00	R.Royer	1306
&	M	07:00PM-10:05PM		R.Royer	1306

W 152 Advanced Welding

Continues training in arc and gas welding in various positions; introduces MIG welding, TIG welding, flux cored arc welding, and flame cutting. Prerequisite: W 150 or W 151 or demonstrated skill equivalence. Recommended Preparation: Eligibility for MATH 154.

Section	Days	Times	Units	Instructor	Room
64321	T	06:00PM-06:50PM	2.00	A.Amercupan	1306
&	T	07:00PM-10:05PM		A.Amercupan	1306

W 152A Advanced Arc Welding

Presents advanced training in SMAW (Stick) welding techniques, focusing on the 3G and 4G positions with low hydrogen electrodes, enabling students to pass sample AWS welding code tests. Prerequisite: W 152 or demonstrated skill equivalence. Recommended Preparation: Eligibility for MATH 154.

Section	Days	Times	Units	Instructor	Room
64322	T	07:00PM-10:05PM	1.00	A.Amercupan	1306

W 152B Advanced MIG Welding

Continues advanced training in GMAW (MIG) welding techniques, focusing on all positions and sheet steel gages, in preparation for light gage fabrication and body-fender repair applications. Prerequisite: W 152 or demonstrated skill equivalence. Recommended Preparation: Eligibility for MATH 154.

Section	Days	Times	Units	Instructor	Room
64323	T	07:00PM-10:05PM	1.00	A.Amercupan	1306

W 152C Advanced TIG Welding

Continues advanced training in GTAW (TIG) welding techniques, focusing on all position welding of sheet gage materials in steel, aluminum and stainless steels. Prerequisite: W 152 or demonstrated skill equivalence. Recommended Preparation: Eligibility for MATH 154.

Section	Days	Times	Units	Instructor	Room
64324	T	07:00PM-10:05PM	1.00	A.Amercupan	1306

W 154 Pipe Welding

Continues advanced training in SMAW and GTAW welding with emphasis on out of position pipe and tube welding techniques. Prerequisite: W 152 or equivalent skills. Recommended Preparation: Eligibility for MATH 154. Repeatability: May be taken 2 times.

Section	Days	Times	Units	Instructor	Room
64325	S	08:00AM-08:50AM	2.00	A.Amercupan	1306
&	S	09:00AM-12:05PM		A.Amercupan	1306

W 155 Ornamental Ironwork

Introduces the practical applications of traditional and modern metal-working techniques focusing on the history, development, and present-day practices used in the fabrication of architectural ornamental ironwork. Repeatability: May be taken 3 times.

Section	Days	Times	Units	Instructor	Room
64326	S	09:00AM-12:05PM	2.00	A.Amercupan	1306
&	S	12:15PM-01:05PM		A.Amercupan	1306

W 156 Introduction to Sheet Metal Fabrication

Presents an introduction to and basic training in metal forming, fastening and blueprint reading skills. Recommended Preparation: Eligibility for MATH 154.

Section	Days	Times	Units	Instructor	Room
64327	T	05:00PM-05:50PM	2.00	A.Amercupan	1306
&	T	07:00PM-10:05PM		A.Amercupan	1306