

Welding Technology: Gas Tungsten Arc Welding(GTAW)



#REF!

CIP CODE 48.0508

Students will learn theory and principles of the Gas Tungsten Arc Welding (GTAW) process. This program will train students to become proficient in welding aluminum, mild steel, and stainless steel.

OUTCOMES	Delivery Method	OE/OE (min 10 - max 28)
MATC Program Certificate: Gas Tungsten Arc Welding	Enrollment Availability	Adults Only
	Financial Aid Available	No
	VA Qualified	Yes

PREREQUISITES

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All students must meet with Welding Instructor

SECTION	LOCATION	ROOM	START DATE	END DATE	START TIME	END TIME	DAYS	INSTRUCTOR	NOTES
Open Entry/ Open Exit	Orem	108	Open Entry	Open Exit	7:30 AM	10:30	M-F	Josh McCrary	
Open Entry/ Open Exit	Orem	108	Open Entry	Open Exit	7:30 AM	10:30	M.W.F	Josh McCrary	
Open Entry/ Open Exit	Orem	108	Open Entry	Open Exit	7:30 AM	10:30	T.TH	Josh McCrary	
Open Entry/ Open Exit	Orem	108	Open Entry	Open Exit	11:30 AM	2:30 PM	M-F	Josh McCrary	
Open Entry/ Open Exit	Orem	108	Open Entry	Open Exit	11:30 AM	2:30 PM	M.W.F	Josh McCrary	
Open Entry/ Open Exit	Orem	108	Open Entry	Open Exit	11:30 AM	2:30 PM	T.TH	Josh McCrary	
Open Entry/ Open Exit	Orem	108	Open Entry	Open Exit	2:45 PM	5:45 PM	M-F	Josh McCrary, Reed Esplin	
Open Entry/ Open Exit	Orem	108	Open Entry	Open Exit	2:45 PM	5:45 PM	M.W.F	Josh McCrary, Reed Esplin	
Open Entry/ Open Exit	Orem	108	Open Entry	Open Exit	2:45 PM	5:45 PM	T.TH	Josh McCrary, Reed Esplin	
Open Entry/ Open Exit	Orem	108	Open Entry	Open Exit	6:00 PM	9:00 PM	M-TH	Josh McCrary, Jared Massic, Reed Esplin, Dustin Taylor	
Open Entry/ Open Exit	Orem	108	Open Entry	Open Exit	6:00 PM	9:00 PM	M.W	Josh McCrary, Jared Massic, Reed Esplin, Dustin Taylor	
Open Entry/ Open Exit	Orem	108	Open Entry	Open Exit	6:00 PM	9:00 PM	T.TH	Josh McCrary, Jared Massic, Reed Esplin, Dustin Taylor	
*Summer Schedule	Orem	108	6/1/2016	8/8/2016	All Sections		M-TH		

TUITION /FEES	COST	NOTES
Registration Fee	#REF!	#REF!
Facilities Fee	#REF!	
Program Fees	\$250.00	#REF!
Tuition	#REF!	
Total Tuition and Fees	#REF!	#REF!

REQUIRED PROGRAM MATERIALS	COST	NOTES
Textbooks & Resources	\$40.00	Student Binder & Hobart Institute of Welding Technology – Welding Guide
AWS Online Course Subscription	\$163.00	
Welding Equipment	\$82.00	
Additional Equipment	\$42.00	
Welding Helmet	\$116.00	
Protective Clothing	\$46.00	
Steel Toed Boots	\$30.00	
Total	\$519.00	

OPTIONAL PROGRAM MATERIALS	COST	NOTES				
Total	\$0.00					
PROGRAM COMPONENTS	LAB	LECTURE	HYBRID	TOTAL	NOTES	
GTAW I Gas Tungsten Arc Welding:						
Perform safety inspections of GTAW equipment and accessories	0	0	3	3		
Makes minor external repairs to GTAW equipment	1	0	2	3		
Sets up for GTAW equipment on carbon steel	1	0	2	3		
Operates GTAW equipment on carbon steel	1	0	2	3		
Mild Steel 1F, 2F, & 4F Tee Joints	13	0	2	15		
Mild Steel 1F, 2F, & 3F Lap Joints	13	0	2	15		
Mild Steel 1/4" Pl. 2FT 12" Weld	5	0	1	6		
Mild Steel 1G & 2G Butt Joints	9	0	3	12		
Mild Steel Corner Joints - outside w/o filler & outside w/ filler	8	0	1	9		
Passes GTAW welder performance qualification test on carbon steel	11	0	4	15		
Sets up for GTAW operations on austenitic stainless steel	0	0	3	3		
Operates GTAW equipment on austenitic stainless steel	0	0	3	3		
Stainless Filler on Mild Steel - 1F & 2F Tee & Lap Joints	16	0	2	18		
Stainless Filler on Mild Steel - 1G & 2G Butt Joints	8	0	1	9		
Stainless Steel performance qualification test - Corner Joints - outside w/o filler & outside w/ filler	8	0	1	9		
Sets up for GTAW operations on aluminum	0	0	3	3		
Operates GTAW equipment on aluminum	0	0	3	3		
Aluminum- 1F & 2F Tee & Lap Joints	16	0	2	18		
Aluminum - 1G & 2G Butt Joints	8	0	1	9		
Aluminum performance qualification test - triangle	10	0	2	12		
Aluminum Skills - Pop Can Challenge	2	0	1	3		
Passes practical knowledge written exam for the GTAW process	0	0	6	6		
Total	130	0	50	180	Average 3 months or 60 days excluding wknds and holidays	
***** Additional Information *****						
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*Summer Schedule: Classes will be held at normal times. During the summer they will be M-TH. There will be NO class on Fridays						