

**Welding Technology: Shielded Metal Arc Welding (SMAW)**

For information on registering and enrolling visit [mlatc.edu/start](http://mlatc.edu/start)  
 For information on tuition, fees and costs visit [mlatc.edu/costs](http://mlatc.edu/costs)  
 For information on delivery methods visit [mlatc.edu/delivery](http://mlatc.edu/delivery)  
 For information on MATC Certifications visit [mlatc.edu/certifications](http://mlatc.edu/certifications)  
 For questions please email [matcinfo@mlatc.edu](mailto:matcinfo@mlatc.edu) or call 801-753-MATC (6282)



CIP CODE 48.0508

Students will learn theory and principles of operation of the Shielded Metal Arc Welding (SMAW) process. Hands-on, individualized instruction is emphasized. This course will train students to become proficient in welding all positions with the E6010 and the E7018 electrodes. Students will be prepared to take industry welding tests per AWS D1.1 Structural Steel for SMAW Welder Qualification.

OUTCOMES	Delivery Method	OE/OE (min 10 - max 28)
MATC Program Certificate: Shielded Metal Arc Welding	Enrollment Availability	Adults Only
AWS D1.1 3G Structural Certificate - SMAW	Financial Aid Available	No
	VA Qualified	Yes

**PREREQUISITES**

As part of the admission process students are required to complete the Career Ready Entrance Assessment. The Career Ready Entrance Assessment is free and takes approximately 1 hour to complete. You can take this assessment at anytime prior to registration. You only need to take this assessment once upon first registering at MATC. You do not need to retake it for each program or additional course. For additional information or to schedule please visit [mlatc.edu/testing](http://mlatc.edu/testing)

Students enrolling in an Open Entry/Open Exit program must meet with the MATC Career and Guidance Counselor. To schedule an appointment please visit [mlatc.edu/advising](http://mlatc.edu/advising)

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, Jacob Westover	
Open Entry/ Open Exit	Orem	108	Open Entry	Open Exit	7:30 AM	10:30	M.W.F	Josh McCrary, Jacob Westover	
Open Entry/ Open Exit	Orem	108	Open Entry	Open Exit	7:30 AM	10:30	T.TH	Josh McCrary, Jacob Westover	
Open Entry/ Open Exit	Orem	108	Open Entry	Open Exit	11:30 AM	2:30 PM	M-F	Josh McCrary, Jacob Westover	
Open Entry/ Open Exit	Orem	108	Open Entry	Open Exit	11:30 AM	2:30 PM	M.W.F	Josh McCrary, Jacob Westover	
Open Entry/ Open Exit	Orem	108	Open Entry	Open Exit	11:30 AM	2:30 PM	T.TH	Josh McCrary, Jacob Westover	
Open Entry/ Open Exit	Orem	108	Open Entry	Open Exit	2:45 PM	5:45 PM	M-F	Reed Esplin	
Open Entry/ Open Exit	Orem	108	Open Entry	Open Exit	2:45 PM	5:45 PM	M.W.F	Reed Esplin	
Open Entry/ Open Exit	Orem	108	Open Entry	Open Exit	2:45 PM	5:45 PM	T.TH	Reed Esplin	
Open Entry/ Open Exit	Orem	108	Open Entry	Open Exit	6:00 PM	9:00 PM	M-TH	Jared Massic, Reed Esplin, Dustin Taylor	
Open Entry/ Open Exit	Orem	108	Open Entry	Open Exit	6:00 PM	9:00 PM	M.W	Jared Massic, Reed Esplin, Dustin Taylor	
Open Entry/ Open Exit	Orem	108	Open Entry	Open Exit	6:00 PM	9:00 PM	T.TH	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	\$40.00	This \$40 is a one time only, non-refundable fee when enrolling in the college for the first time.
Facilities Fee	\$50.00	
Program Fees	\$250.00	Program fees may not include all textbooks, materials or certification costs. Please see additional required/optional materials.
Tuition	\$420.00	
<b>Total Tuition and Fees</b>	<b>\$760.00</b>	Tuition and fees are due at time of registration.

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	\$42.00	
Welding Helmet	\$36.00	
Protective Clothing	\$46.00	
Exam Materials for Industry Certifications	\$20.00	
Steel Toed Boots	\$30.00	
<b>Total</b>	<b>\$377.00</b>	

OPTIONAL PROGRAM MATERIALS	COST	NOTES
Additional Test Coupons	\$10.00	3/8" Plate Coupons, per each set
Additional Test Coupons	\$20.00	1" Plate Coupons, per each set
<b>Total</b>	<b>\$30.00</b>	

PROGRAM COMPONENTS	LAB	LECTURE	HYBRID	TOTAL	NOTES
<b>SMAW I Shielded Metal Arc Welding</b>					
Perform safety inspections of SMAW equipment and accessories	0	0	3	3	
Makes minor external repairs to equipment	1	0	2	3	
Setup for operations on carbon steel	1	0	2	3	
Operate the equipment	2	0	1	3	
E7018 1F, 2F, 3F & 4F Tee Joints	23	0	1	24	
E7018 1F, 3F, & 4F Lap Joints	17	0	1	18	
E7018 2F 18" Tee Joint	5	0	1	6	
E7018 1G Vee 18" Butt Joint	8	0	1	9	
E7018 2G Bevel & 3G Vee Butt Joints	11	0	1	12	
E7018 4G Vee Butt Joint	11	0	1	12	
E6010 1F, 2F, 3F & 4F Tee Joints	23	0	1	24	
E6010 1F, 2F, 3F & 4F Lap Joints	23	0	1	24	
E6010 1G & 2G Square Butt Joints	11	0	1	12	
E6010 3G Square Butt Joint	8	0	1	9	
E6010 4G Square Butt Joint	11	0	1	12	
Pass SMAW welder performance tests per drawing AWS EDU-1	12	0	3	15	
Passes practical knowledge written exam for the SMAW process	0	0	6	6	
Passes SMAW welder performance qualification test (3G limited thickness test plates) on carbon steel	13	0	2	15	
<b>Total</b>	<b>180</b>	<b>0</b>	<b>30</b>	<b>210</b>	Average 3.5 months or 70 days excluding wknds and holidays

\*\*\*\*\* Additional Information \*\*\*\*\*

MATC provides training for students to prepare to take and/or receive MATC or 3rd party licensures and certifications such as state, national or industry certifications. MATC does not guarantee MATC or 3rd party licensures and certifications such as state, national or industry certifications upon completion of MATC Programs. State/national licensure or industry certifications are required for employment in some occupations and it is the responsibility of the student to obtain them. In order to receive an MATC certificate students must demonstrate all competencies.

Financial Aid availability may be based on program locations and/or scheduling requirements.

High school students must approve enrollment start and end dates with their high school counselor before registering with MATC. Please Note: If high school students or their high school class graduates and they have not finished all program hours prior to their high school graduation date, tuition will be charged for the remaining hours needed for completion.

The time it takes to complete this program is based on clock hours. Based on how many hours per day and how many days per week your program meets you can determine your targeted completion date.

Classes not meeting the minimum enrollment may be cancelled or rescheduled. Minimum enrollment requirements vary per program.

Information, including but not limited to, times, dates, locations, tuition, fees, prerequisites, etc. are subject to change without notice. It is the viewer's responsibility to verify the timeliness and accuracy of this information prior to enrollment.

\*Summer Schedule: Classes will be held at normal times. During the summer they will only be M-TH. There will be NO class on Friday