

# MOBERLY AREA COMMUNITY COLLEGE

## Associate Applied Science – Welding and Metals Technology

Name: \_\_\_\_\_ ID#: \_\_\_\_\_ Date: \_\_\_\_\_

The MACC Welding and Metals Technology program was developed to live up to the standards required by the American Welding Society (AWS), and is AWS certified. Standards such as safety protocols and basic usage of equipment are all taught to students. In addition, graduates will have hands-on experience with multiple welding processes and will have worked with many different kinds of materials both common and exotic. Special attention is given to provide problem-solving experience to handle any project. This academic map is a suggested semester-by-semester schedule of courses based upon the AAS degree requirements as outlined in the academic catalog.

Taken	Course	Semester	Hours	Milestone*
<b>First Semester (Fall)</b>				
	AMD101	Engineering Design	3	
	AMD110	Industrial Print Reading: CPT2	3	
	IND103	Industrial Safety & Health: CPT1	3	
	MTH130 <u>or</u> MTH140	^Technical Math** <u>or</u> ^Precalculus Algebra**	3	MTH130 <u>or</u> MTH140
	SKL101	College Orientation	1	SKL101
	WLD101	Welding I	3	
			<b>16</b>	
<b>Second Semester (Spring)</b>				
	BUS150 <u>or</u> IND120 <u>or</u> LAL101	^Business Communication** <u>or</u> ^Technical Report Writing** <u>or</u> ^Composition I**	3	BUS150 <u>or</u> IND120 <u>or</u> LAL101
	CIT101	Computer Essentials	3	
	IND100	Introduction to Manufacturing: CPT3	3	
	IND101	Fundamentals of Industrial Maintenance: CPT4	3	
	WLD102	^Welding II	3	
			<b>15</b>	
<b>Third Semester (Fall)</b>				
	AMD112	Computer-Aided Design I	3	
		<u>Humanities</u>	3	
	MSP101	Machine Tool I	3	
	MSP215	Metallurgy	1	
	SPK101	Public Speaking	3	
	WLD201	^Welding III	3	
			<b>16</b>	
<b>Fourth Semester (Spring)</b>				
	HST105 <u>or</u> HST106 <u>or</u> PSC105	American History to 1865 <u>or</u> American History from 1865 <u>or</u> Functions & Policies of American Government	3	
	PHY125	^Foundations of Physics	5	
	SKL250 <u>or</u> WLD295	Employment Seminar <u>or</u> ^Welding Internship	1-2	
	WLD202	^Welding IV	3	
	WLD220	^Special Problems in Welding	3	
			<b>15-16</b>	
Total Hours for Degree			<b>62-63**</b>	

\*\*All fundamental math and English courses (e.g. MTH015) must be completed during the first semester. Required math and English courses must be completed immediately following the completion of fundamentals coursework or as listed on the degree map. Enrollment in fundamentals courses may delay completion of the degree. Fundamentals Courses are not included in the total credit hours required for the degree.

**\*It is strongly recommended that students successfully complete the Milestone courses as planned on the academic map to ensure completion of the degree in two years. In addition, if students do not successfully complete the Milestone course(s), they are strongly encouraged to re-enroll in the course(s) the following semester.**

**^Please refer to the course descriptions for pre/co-requisite and placement information. You can only register for these courses if you have met the prerequisite, placed into the course and/or enroll in the co-requisite course(s).**