

Metals Manufacturing

Forest Grove High School
Portland Community College
10/22/19

Instructions: 1) Enter the Program of Study name above. 2) Enter your high school name. 3) Enter the community college name. 4) Enter the date. 5) Click on the cell for Course 1 Name, Course 2 Name, etc., and replace with your POS course names--secondary and first year of post-secondary. 6) Enter school course numbers. 7) Enter NCES code for the course (secondary only). 8) Enter number of credits awarded. 9) Identify those courses that trigger the TSA for this POS. 10) Finally, check those standards that are taught with intent and purpose, and are assessed in each course. Note: The optional Focus Area tabs below are included for those POSs that have a very specific industry focus/are using those skill sets for multiple options in a Program of Study or if you want to use another set of industry validated standards

[illegible]

[High School Name]
[Community College Name]
[Date]

Focus Area

[Course 1 Name] [Course 2 Name] [Course 3 Name] [Course 4 Name] [Course 5 Name] [Course 6 Name] [Course 7 Name] [Course 8 Name] [Course 9 Name] [Course 10 Name]

[illegible]

[CTE Program of Study Name]

[High School Name]

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Logistics & Inventory Control Focus Area

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[illegible]

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Maintenance, Installation & Repair Focus Area

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[illegible]

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Manufacturing Production Process Development

Focus Area

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[illegible]

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Mechanical CAD/Drafting Focus Area

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[illegible]

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Quality Assurance Focus Area

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[illegible]

Secondary Wood Products Focus Area

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[illegible]

2019

Skills-to-Course Matrix

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Welding Focus Area

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			Metals 1: Introduction to Welding	Metals 2: Advanced Welding	Metals 3: Machining	Metals 4: Fabrication	Metals 5: Apprentice	Metals 6: Advanced Welding Processes	[Course 7 Name]	[Course 8 Name]	[Course 9 Name]	[Course 10 Name]
			[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]
			[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]
			[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]
CCTC*	Code Number	KS Statement	no	no	no	Yes	no	no	[TSA--Y or N?]	[TSA--Y or N?]	[TSA--Y or N?]	[TSA--Y or N?]
	MNWL01	Perform safety, health, inspection, and repair processes related to welding and thermal cutting.	x	x	x	x	x	x				
	MNWL02	Perform entry level welding processes using a variety of welding technologies including shielded metal arc welding (SMAW), gas metal arc welding (GMAW), flux cored arc welding (FCAW), and gas tungsten welding (GTAW).	x	x		x	x	x				
	MNWL03	Perform thermal cutting process using a variety technologies including manual oxyfuel gas cutting (OFC), mechanized oxyfuel gas cutting (track burner), plasma arc cutting (PAC), and air carbon arc cutting (CAC-A).	x	x		x	x	x				
	MNWL04	Interpret drawing and welding symbols.				x		x				
	MNWL05	Perform advanced level welding processes using a variety of welding technologies including shielded metal arc welding (SMAW), gas metal arc welding (GMAW), flux cored arc welding (FCAW), and gas tungsten welding (GTAW).				x		x				
	MNWL06	Perform operations related to shop equipment used in welding, layout, and part preparation.				x	x					
	MNWL07	Understand basic welding metallurgy.		x		x	x	x				