

Knowledge	Skills	Performance Element	
			15.0000 Engineering, General (2011)
			Technical Standards - Michigan Customized List
IV			Engineering Systems
	G		Demonstrate an understanding of common manufacturing, assembly and fabrication principles used in engineering
		1	Explain components of set up, machining, casting, molding, welding, and finishing
		2	Identify and use common hand tools
		3	Identify and properly use fasteners
		4	Estimate and measure the size of objects using SI and US units
		5	Explain the role of quality control in manufacturing
		6	Measure with precision tools and instruments
		7	Explain the role of quality control in assembly and fabrication
		8	Identify situations of supplying and outsourcing
		9	Identify the order and methodology of the assembly process