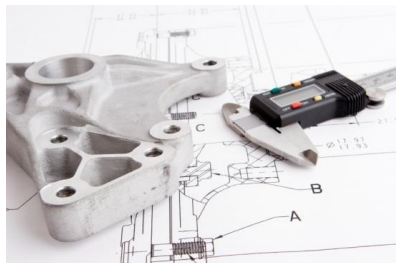


### Machine Operator 1 Training Program Metalworking Skills Certification



Machine Operator Program provides foundational training in shop related math, machine shop safety, measurement, blueprint reading, manual milling and turning, introduction to CNC (with a project) and statistical process control. The program prepares students through hands-on training and machining of various components. The in-class courses and project comprises 210 hours of training and requires the machining of several metal parts.

The training also includes an introduction to geometric dimensioning and tolerances, use and care of precision measurement instruments and the operation of various types of machine tools used to manufacture and repair mechanical assemblies. Students completing the course will understand machining applications, tooling criteria and be able to inspect materials and product to ensure they meet specifications. Additionally, students will have performed machining operations such as drilling, tapping, boring, turning and milling on conventional manual milling machines and lathes. This is followed up by introduction to G & M code and the programming of CNC machining centers and lathes.

The training concludes with an emphasis on statistical process control (SPC), lean quality processes, continuous improvement and reducing errors. The SPC module will focus on eliminating defective products and lowering costs through reduced waste.



Course Title	Course #	Contact Hrs	Credit Hrs.	Start.	End	Tuition
Machine Shop Math	MMO 105	15	1	6/1/16	6/13/16	\$368.00
Mechanical Plan Reading 1	MMO 111	30	2	6/15/16	7/13/16	\$506.00
OSHA General Industry Safety	TOS 110	15	1	7/18/16	7/27/16	\$243.00
Mechanical Machining	MMO 120	90	2	8/1/16	10/19/16	\$2,055.00
Introduction to CNC	MMO 125	45	2	10/24/16	12/5/16	\$785.00
Statistical Process Control (SPC)	MMO 130	15	1	12/7/16	12/19/16	\$243.00
		<b>210</b>	<b>9</b>		<b>Total</b>	<b>\$4,200.00</b>

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