

CURRICULUM MAP OF THE PRECISION MACHINING CERTIFICATE PROGRAM (054H)

The Precision Machining Technology student will be able to:	PMT 100	PMT 101	PMT 102	PMT 110	PMT 111	PMT 112	PMT 201	PMT 221	PMT 222	PMT 226	PMT 240	IML 120	GT 105 OR MATH 112	
G1 - Apply safe practices when using hand tools and machinery used in the machining trade.	I	I	I	E	E	R	R	R	R		R			NIMS Benchwork
G2 - Interpret prints in both English and metric dimensions.		I	I	E	E	R	R	R	R	R	R	I		Standerized print final
G3 - Choose the correct measuring devices and equipment to inspect finished parts.	I	I	E	E	R	R	R	R			R	I		Starrett Micrometer Certifacation
G4 - Demonstrate the set-up and operations of manually operated machinery, utilizing the correct speeds and feeds to part specifications.		I	E				R				R			NIMS Vertical Mill/ Turning Between Centers
G5 - Demonstrate the procedures to write a program, set-up and operate a Computer Numerical Control machine.	I			I	R	E		R	R					NIMS CNC Milling
G6 - Build a Solid Model of a part using CAD software program.									I					SolidWorks Final
G7 - Produce a complex program using Computer Aid Manufacturing software.								I	E					Mastercam Final

Submitted by: Mark Bosworth
 Division: Technical Education Division
 Date Reviewed: 10/18/2016
 Status: Accepted