

**MORAINE PARK TECHNICAL COLLEGE
PORTFOLIO WORKSHEET/VERIFICATION CHECKLIST
2005-2006**

Program Name: Machining Technician
Program Number: 32-444-2
Required DML: Portfolio Artifacts

Student Name:
MPTC Six-Digit Student ID #:
Semester of Program Acceptance:

* * * At least one artifact is required for each learning outcome * * *

Directions: In columns A and B, student enters dates when items are completed or checks Column C if transcript is used for advanced standing credits. Verifier initials column D when portfolio is verified for graduation requirement. Submit a signed copy (see last page) of this form with a copy of your portfolio for verification. Note: Keep original portfolio; submit a copy.

Your Student Portfolio will be evaluated by educators and advisory committee members and becomes the property of Moraine Park Technical College.

Contact Course Instructor If No Artifact Is Listed In This Column	A	B	C	D
Suggested Work Sample from Performance Asmt	Work Sample Linked to Outcome	Reflection Statement	Transcript Used	Verified

Program Learning Outcomes				
Build a mold die (Tool and Die Making track only)				
<i>439-335 Single Cavity Mold Making</i>				
<i>439-336 Single Cavity Mold Making Applications</i>	Opener Mold			
<i>439-337 Multi-Cavity Mold Making</i>				
<i>439-338 Multi-Cavity Mold Making Applications</i>	Team Mold			
Build jigs and fixtures				
<i>439-304 Jigs and Fixtures</i>	Fixture or Jig			
Build stamping dies (Tool and Die Making track only)				
<i>439-325 Pierce and Blank Die Making</i>				
<i>439-326 Pierce and Blank Die Making Applications</i>	1st Die, Blue Print 2nd Die			
<i>439-327 Compound and Progressive Die Making</i>				
<i>439-328 Compound and Progressive Die Making Applications</i>	2nd Die, Group Die			
Determine the effects of material type on machining				
<i>617-150 Material Selection</i>	Research Paper on Tooling and Machining Techniques			
<i>444-360 Machining Center Operation</i>	Precision Vise			
<i>444-370 Turning Center Operation</i>	Chess Pieces			
<i>444-380 EDM (Electrical Discharge Machine) and Nonconventional Machining</i>	Fluer			
Identify materials used in all facets of tool and die making				
<i>617-150 Material Selection</i>	Research Paper on Tooling and Machining Techniques			
Interpret part drawings				
<i>439-398 Mold and Die Print Reading</i>	Basic Machining App Projects, 1-2-3 Blocks V Block Base			
Measure precision parts				
<i>444-332 Coordinate Measuring Machines (CMM) Programming, Introduction to</i>	CMM Test Block			
<i>444-333 Basics of Metrology</i>	Micrometer L.D.			

		ARTIFACT			
		A	B	C	D
		Work Sample Linked to Outcome	Reflection Statement	Transcript Used	Verified
Program Learning Outcomes (continued)		Suggested Work Sample from Performance Asmt			
Operate CADD systems					
444-345 Design for 3D Machining		Business Card Holder			
617-116 AutoCAD, Beginning Level		Drawing H12			
Operate CAM systems					
439-339 Computer-Aided Maching (CAM) 2D - Surfcar.		Chess Board			
444-340 Computer-Aided Machining 2D - Part 2		Wishbone			
444-341 Computer-Aided Machining 3D		High Speed 1			
Operate computer numerical control machine tools					
444-360 Machining Center Operation		Setup Blocks			
444-370 Turning Center Operation		Chess Pieces			
444-380 EDM (Electrical Discharge Machine) and Nonconventional Machining		Name Plates			
Operate conventional machine tools					
439-310 Machining, Basic					
439-311 Machining Applications, Basic		Basic Machining App Projects, 1-2-3 Blocks V Block Base			
439-312 Machining Technologies					
439-313 Machining Technologies Applications		Tap Guide Block			
Program computer numerical control machine tools					
444-332 Coordinate Measuring Machines (CMM) Programming, Introduction to		CMM Test Block			
444-351 Machining Center Programming		CMM Test Block			
444-371 Turning Center Programming		Chess Pieces			
444-380 EDM (Electrical Discharge Machine) and Nonconventional Machining		Fluer & Name Plate			
Set up computer numerical control machine tools					
439-326 Pierce and Blank Die Making Applications					
439-328 Compound and Progressive Die Making Applications					
444-332 Coordinate Measuring Machines (CMM) Programming, Introduction to		CMM Test Block			
439-336 Single Cavity Mold Making Applications					
439-338 Multi-Cavity Mold Making Applications					
444-350 Basic Programming		Project II			
444-360 Machining Center Operation		Setup Blocks			
444-370 Turning Center Operation		Chess Pieces			
444-380 EDM (Electrical Discharge Machine) and Nonconventional Machining		Fluer & Name Plate			

Continued

		ARTIFACT			
		A	B	C	D
		Work Sample Linked to Outcome	Reflection Statement	Transcript Used	Verified
Program Learning Outcomes (continued)		Suggested Work Sample from Performance Asmt			
Set up conventional machine tools					
439-311 Machining Applications, Basic	pp Projects, 1-2-3 Blocks Tap Guide Blocks				
439-312 Machining Technologies					
439-313 Machining Technologies Applications					
439-326 Pierce and Blank Die Making Applications	V-Block Base				
439-328 Compound and Progressive Die Making Applications					
439-336 Single Cavity Mold Making Applications					
439-338 Multi-Cavity Mold Making Applications					
801-310 Occupational Communication OR 801-196 Oral and Interpersonal Communications					
General Education Learning Outcomes					
Apply organizational and stylistic strategies to fit subject, audience, and purpose in communication					
801-196 Oral/Interpersonal Communications OR 801-310 Occupational Communication					
Evaluate content, organization, supporting materials, credibility, and style of communication for decision-making.					
801-196 Oral/Interpersonal Communications OR 809-300 Occupational Success Strategies					
Perform mathematical calculations.					
804-360 Occupational Math 1 AND					
804-361 Occupational Math 2 AND					
804-362 Occupational Math 3					
Core Abilities					
890-125 Student Success AND		Core Ability Inventory			
890-130 Career Development		Core Ability Inventory and Self-assessment Reflection			
		AND Reflection essay "How I've Changed: Then and Now"			

Continued

LEARNER:

I understand that this portfolio will be evaluated by educators and advisory committees and becomes the property of Moraine Park Technical College.

The contents of this portfolio
_____ **MAY** **MAY NOT** _____
be displayed to other students and the general public.

Signature of Learner

Date

VERIFIER:

After verification is complete, forward portfolio to the
Outcome Assessment Office.

Signature of Verifier

Date
