

**MORAINE PARK TECHNICAL COLLEGE  
PORTFOLIO WORKSHEET/VERIFICATION CHECKLIST  
2006-2007**

**Program Name:** CNC/Tool and Die Technologies  
**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	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
<b>Suggested Work Sample from Performance Asmt</b>	<b>Reflection Statement</b>	<b>Work Sample Linked to Outcome</b>	<b>Transcript Used</b>	<b>Verified</b>

<b>Program Learning Outcomes</b>				
<b>Build a mold die (Tool and Die Making track only)</b>				
439-335 <i>Single Cavity Mold Making</i>				
439-336 <i>Single Cavity Mold Making Applications</i>	Opener Mold			
439-337 <i>Multi-Cavity Mold Making</i>				
439-338 <i>Multi-Cavity Mold Making Applications</i>	Team Mold			
<b>Build jigs and fixtures</b>				
439-304 <i>Jigs and Fixtures</i>	Fixture or Jig			
<b>Build stamping dies (Tool and Die Making track only)</b>				
439-325 <i>Pierce and Blank Die Making</i>				
439-326 <i>Pierce and Blank Die Making Applications</i>	1st Die, Blue Print 2nd Die			
439-327 <i>Compound and Progressive Die Making</i>				
439-328 <i>Compound and Progressive Die Making Applications</i>	2nd Die, Group Die			
<b>Determine the effects of material type on machining</b>				
617-150 <i>Material Selection</i>	Research Paper on Tooling and Machining Techniques			
444-360 <i>Machining Center Operation</i>	Precision Vise			
444-370 <i>Turning Center Operation</i>	Chess Pieces			
444-380 <i>EDM (Electrical Discharge Machine) and Nonconventional Machining</i>	Fluer			
<b>Identify materials used in all facets of tool and die making</b>				
617-150 <i>Material Selection</i>	Research Paper on Tooling and Machining Techniques			

**Continued**

		ARTIFACT			
		A	B	C	D
Program Learning Outcomes (continued)		Work Sample Linked to Outcome	Reflection Statement	Transcript Used	Verified
Interpret part drawings		Basic Machining App Projects, 1-2-3 Blocks V Block Base			
439-398 Mold and Die Print Reading					
Measure precision parts					
444-332 Coordinate Measuring Machines (CMM) Programming, Introduction to		CMM Test Block			
444-333 Basics of Metrology		Micrometer L.D.			
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 Machining (CAM) 2D - Surfcam		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		Basic Machining App Projects, 1-2-3 Blocks V Block Base			
439-311 Machining Applications, Basic					
439-312 Machining Technologies		Tap Guide Block			
439-313 Machining Technologies Applications					
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			

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 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			
Set up conventional machine tools					
439-311 Machining Applications, Basic		Basic Machining App 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					
<b>Core Abilities</b>					
890-125 Student Success <b>AND</b>		Core Ability Inventory			
890-130 Career Development		Core Ability Inventory and Self-assessment Reflection			
		<b>AND</b> 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.

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**Signature of Learner**

**Date**

**VERIFIER:**

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

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**Signature of Verifier**

**Date**