

Your assessment portfolio will be evaluated by educators and advisory committees and becomes the property of Moraine Park Technical College.

**Program Name:** CNC Programmer / Operator  
**Program Number:** 32-444-2  
**Required DML:** Portfolio/Artifacts

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

**\*Choose only 1 or 2 artifacts per Learner Outcome to include in Assessment Portfolio.**

**Directions:** Your completed Assessment Portfolio is a requirement for graduation. Use this Worksheet as you gather artifacts for the required Direct Measures of Learning (DML) in your program. Use columns A and B to enter dates or titles of work that show evidence of your skills and abilities. In column C; use the following key to document the type(s) of evidence you will use to demonstrate growth and/or progress: 1 = Artifact from other coursework, 2 = Integrated in reflection, 3 = Draft or first effort at required DML, 4 = Other (specify). **Note:** These criteria will be used to verify your portfolio at the time of graduation.

	<b>A</b>	<b>B</b>	<b>C</b>
Contact Course Instructor If No Artifact Is Listed In This Column. <b>SUGGESTED ARTIFACT*</b>	<b>Artifact Linked to Outcome</b>	<b>Reflection Statement</b>	<b>Evidence of Growth/ Progress</b>
<b>EXIT LEARNING OUTCOMES</b>			
<b>Program Learner Outcomes</b>			
Determine the effects of material type on machining. <i>439-397 Metallurgy</i>			
Interpret part drawings. <i>439-398 Mold and Die Print Reading</i>			
Measure precision parts. <i>444-333 Basics of Metrology</i>			
Operate CADD systems. <i>444-345 Design for 3D Machining</i>			
Operate CAM systems. <i>444-340 Computer Aided Machining 2D - Part B</i> <i>444-341 Computer Aided Machining 3D</i>			
Operate computer numerical control machine tools. <i>444-360 Machining Center Operation</i> <i>444-370 Turning Center Operation</i> <i>444-380 EDM and Non-Conventional Machining</i>			
Operate conventional machine tools. <i>444-310 Machine Technology</i>			
Program computer numerical control machine tools. <i>444-310 Machine Technology</i> <i>444-351 Machining Center Programming</i> <i>444-333 Basics of Metrology</i> <i>444-370 Turning Center Operation</i> <i>444-380 EDM and Non-Conventional Machining</i>			
Set up computer numerical control machine tools. <i>444-360 Machining Center Operation</i> <i>444-370 Turning Center Operation</i> <i>444-380 EDM and Non-Conventional Machining</i>			

General Education Learner Outcomes	Suggested Artifact	Artifact Linked to Outcome	Reflection Statement	Evidence of Growth/Progress
Apply organizational and stylistic strategies to fit subject, audience, and purpose in communication. 801-310 Occupational Communications				
Determine mathematical concepts needed to solve an application. 804-360 Occupational Math 1 804-361 Occupational Math 2 804-362 Occupational Math 3				
Evaluate content, organization, supporting materials, credibility, and style of communication for decision-making. 801-310 Occupational Communications 809-300 Occupational Success Strategies				
Evaluate political, social, and scientific views on scientific topics. 806-194 Contemporary Issues in Science				
Perform mathematical calculations. 804-360 Occupational Math 1 804-361 Occupational Math 2 804-362 Occupational Math 3				
<b>Elective OR Other Courses (course number and title)</b>				
<b>Core Abilities</b> Indicate <input type="checkbox"/> Inventory and/or <input type="checkbox"/> Integrated in Reflections				
Work Cooperatively <i>Complete assigned tasks for team/group work.</i> <i>Use collaborative strategies to complete tasks.</i> <i>Exchange information, ideas, and opinions in a team/group setting.</i> <i>Show evidence of respect for diversity.</i>				
Act Responsibly <i>Complete assigned tasks according to prescribed deadlines.</i> <i>Complete assigned tasks according to prescribed criteria.</i> <i>Adhere to established attendance criteria.</i>				
Value Self Positively <i>Adapt hygiene and appearance to requirements of work and educational environment.</i> <i>Identify personal strengths and areas for improvement.</i> <i>Exchange information, ideas, and opinions in a team/group setting.</i> <i>Show evidence of respect for diversity.</i>				
Think Critically and Creatively <i>Distinguish between fact and opinion.</i> <i>Synthesize information from a variety of sources.</i> <i>Use problem-solving and decision-making strategies.</i> <i>Apply global perspective to decisions and actions.</i>				

<b>Core Abilities (cont.)</b>	<b>Suggested Artifact</b>	<b>Artifact Linked to Outcome</b>	<b>Reflection Statement</b>	<b>Evidence of Growth/ Progress</b>
Communicate Clearly				
<i>Use bias-free language.</i>				
<i>Use language that is free of obscenities.</i>				
<i>Apply listening skills.</i>				
<i>Apply standard rules of language structure including grammar, spelling, and punctuation.</i>				
Work Productively				
<i>Complete assigned tasks according to established conditions.</i>				
<i>Evaluate work using established criteria.</i>				
Learn Effectively				
<i>Use resources to meet learning needs.</i>				
<i>Organize information.</i>				
<i>Produce evidence of learning.</i>				