

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:

*** At Least One Artifact Is Required For Each Learner Outcome Listed Below ***

Directions: In columns A and B, enter dates when items are completed. Check Column C if transcript is used. Electronic format is recommended for portfolio development. Note: Keep original portfolio. Submit copy only.

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

	ARTIFACT		
	A	B	C
	Work Sample Linked to Outcome	Self Assessment/ Reflection Statement	Transcript Used
EXIT LEARNING OUTCOMES			
Program Learner Outcomes			
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			
Perform mathematical calculations. <i>804-360 Occupational Math 1</i> <i>804-361 Occupational Math 2</i> <i>804-362 Occupational Math 3</i>			

Contact Course Instructor If No Artifact Is Listed In This Column

Suggested Work Sample from Performance Asmt

		ARTIFACT		
		A	B	C
		Work Sample Linked to Outcome	Self Assessment/ Reflection	Transcript Used
General Education Learner Outcomes (continued)		Suggested Work Sample from Performance Asmt		
Determine mathematical concepts needed to solve an application.				
<i>804-360 Occupational Math 1</i>				
<i>804-361 Occupational Math 2</i>				
<i>804-362 Occupational Math 3</i>				
<i>809-300 Occupational Success Strategies</i>				
Apply organizational and stylistic strategies to fit subject, audience, and purpose in communication.				
<i>801-310 Occupational Communications</i>				
Core Abilities				
Complete a Core Abilities self-assessment reflection.				
<i>890-125 Student Success</i>				
Complete reflection essays on Core Abilities and Occupational Skills development.				
<i>890-130 Career Development</i>				
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>				
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>				