

Program Name: Mechanical Design Technician
Program Number: 10-606-1
Required DML: Capstones (in course 606-125)

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.

	Contact Course Instructor If No Artifact Is Listed In This Column	ARTIFACT		
		A Work Sample Linked to Outcome	B Self Assessment/ Reflection Statement	C Transcript Used
EXIT LEARNING OUTCOMES				
Program Learner Outcomes				
Construct three dimensional, computer-aided design (CAD) solid models, and two-dimensional CAD drawings.	Product Design Project			
606-170 CAD Unigraphics - Basic				
606-176 AutoCAD - Mechanical				
Design mechanical parts for manufacturability.	Product Design Project			
606-125 Product Design				
Implement a mechanical design project of a machine or product.	Product Design Project			
606-125 Product Design				
Prepare detail and assembly, engineering drawings for the manufacturing industry.	Product Design Project			
606-103 Design Drafting 2				
General Education Learner Outcomes				
Apply organizational and stylistic strategies to fit subject, audience, and purpose in communication.				
801-195 Written Communication AND				
801-196 Oral / Interpersonal Communication				
Evaluate content, organization, supporting materials, credibility, and style of communication for decision-making.				
801-196 Oral / Interpersonal Communication				
Perform mathematical calculations.				
804-175 Technical Math 1 AND				
804-176 Technical Math 2 AND				
804-177 Technical Math 3				
Determine mathematical concepts needed to solve an application.				
804-175 Technical Math 1 AND				
804-176 Technical Math 2 AND				
804-177 Technical Math 3				
Apply the foundational elements of economic reasoning to personal and business decision-making.				
809-195 Economics				
Examine the complexities of society from a sociological perspective.				
809-196 Introduction to Sociology				

		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		
Evaluate political, social, and scientific views on scientific topics.	Contact Course Instructor If No Artifact Is Listed In This Column			
<i>806-194 Contemporary Issues in Science</i>				
Apply psychological principles to personal and professional relationships.				
<i>809-199 Psychology of Human Relations</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>				