

PORTFOLIO WORKSHEET
2004-2005

Program Name: Civil Engineering Technician
Program Number: 10-607-5
Required DML: Portfolio Artifacts, Capstone Projects

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 Suggested Work Sample from Performance Asmt	ARTIFACT		
		A Work Sample Linked to Outcome	B Self Assessment/ Reflection Statement	C Transcript Used
EXIT LEARNING OUTCOMES				
Program Learner Outcomes				
Apply surveying procedures and utilization of surveying equipment in the measurement of distance, elevations, and directions. <i>607-135 Surveying</i>	Project			
Calculate the forces in a wood and steel truss. <i>607-131 Structural Analysis 1</i>	Test			
Calculate the heat loss for a commercial building. <i>607-122 Construction - Mechanical</i>	Heat Loss Project			
Calculate the stress and strain in structural members. <i>607-132 Structural Analysis 2</i>	Test			
Determine the cost of labor and materials for a commercial building. <i>607-123 Construction Estimating</i>	Estimation Project			
Determine the load bearing capacity of soils. <i>607-138 Soils</i>	Project			
Develop a set of construction drawings for a wood framed building. <i>607-112 Architectural Drafting</i>	Project			
Develop a set of engineering construction drawings for a pre-cast concrete building. <i>607-114 Structural Drafting</i>	Project			
Develop a set of engineering construction drawings for a pre-engineered steel building. <i>607-114 Structural Drafting</i>	Project			
Develop a set of engineering construction drawings for a structural steel building. <i>607-114 Structural Drafting</i>	Project			
Develop a set of engineering construction drawings for a wood pole building. <i>607-114 Structural Drafting</i>	Project			
Draw a land area plan incorporating a closed traverse and legal description. <i>607-110 Drafting Fundamentals - Civil</i>	Project			

		ARTIFACT		
		A	B	C
		Work Sample Linked to Outcome	Self Assessment/ Reflection Statement	Transcript Used
		Contact Course Instructor If No Artifact Is Listed In This Column		
		Suggested Work Sample from Performance Asmt		
General Education Learner Outcomes				
Apply organizational and stylistic strategies to fit subject, audience, and purpose in communication.				
801-195 <i>Written Communication</i> AND				
801-196 <i>Oral / Interpersonal Communication</i>				
Evaluate content, organization, supporting materials, credibility, and style of communication for decision-making.				
801-196 <i>Oral / Interpersonal Communication</i>				
Perform mathematical calculations.				
804-175 <i>Technical Math 1</i> AND				
804-176 <i>Technical Math 2</i> AND				
804-177 <i>Technical Math 3</i> AND				
804-178 <i>Technical Math 4</i>				
Determine mathematical concepts needed to solve an application.				
804-175 <i>Technical Math 1</i> AND				
804-176 <i>Technical Math 2</i> AND				
804-177 <i>Technical Math 3</i> AND				
804-178 <i>Technical Math 4</i>				
Apply the foundational elements of economic reasoning to personal and business decision-making.				
809-195 <i>Economics</i>				
Examine the complexities of society from a sociological perspective.				
809-196 <i>Introduction to Sociology</i>				
Apply psychological principles to personal and professional relationships.				
809-199 <i>Psychology of Human Relations</i>				
OR				
Determine the impact of psychological and social factors have in shaping human behavior.				
809-198 <i>Introduction to Psychology</i>				
Apply geologic principles, concepts and terminology				
806-110 <i>Physical Geology Lab</i>				
Core Abilities Learner Outcomes				
Complete a Core Abilities self-assessment reflection.				
890-125 <i>Student Success</i>				
Complete reflection essays on Core Abilities and Occupational Skills development.				
890-130 <i>Career Development</i>				

Core Abilities				
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>				