

**MORAINE PARK TECHNICAL COLLEGE
PORTFOLIO WORKSHEET/VERIFICATION CHECKLIST
2005-2006**

Program Name: Engine Research and Development Technician
Program Number: 10-602-2
Required DML: Capstone Projects

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

* * * One artifact is required for each course listed under each of the learning outcomes * * *

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	A	B	C	D
Suggested Work Sample from Performance Asmt	Work Sample Linked to Outcome	Reflection Statement	Transcript Used	Verified

Program Learning Outcomes				
Complete the assembly and disassembly processes for small internal combustion engines.				
602-164 Engine Fundamentals	Engine Testing			
602-168 Engine Testing & Testing Equipment	Comprehensive Report			
Develop plans and procedures for engine modification.				
420-131 Machining, Principles of	Engine Testing			
602-168 Engine Testing & Testing Equipment	Comprehensive Report			
602-170 Engine Problems				
623-162 Manufacturing Processes 1				
623-163 Manufacturing Processes 2				
Evaluate engine and drivetrain components.				
602-164 Engine Fundamentals	Engine Testing			
602-168 Engine Testing & Testing Equipment	Comprehensive Report			
602-172 Transmission of Power				
Evaluate engine performance.				
602-168 Engine Testing & Testing Equipment	Engine Testing Report			
602-169 Engine Emission Testing and Controls	Comprehensive Report			
Prepare professional report(s).				
602-168 Engine Testing & Testing Equipment	Engine Testing Report			
602-170 Engine Problems	Comprehensive Report			
Operate advanced engine evaluation equipment.				
602-169 Engine Emission Testing and Controls	Engine Testing Report			
602-150 Electronics and Instrumentation	Comprehensive Report			
602-170 Engine Problems				
602-155 Ignition Fuels and Combustion				
602-168 Engine Testing & Testing Equipment				

		ARTIFACT			
		A	B	C	D
		Work Sample Linked to Outcome	Reflection Statement	Transcript Used	Verified
		Contact Course Instructor If No Artifact Is Listed In This Column			
		Suggested Work Sample from Performance Asmt			
General Education Learning Outcomes					
Perform mathematical calculations.					
804-175 Technical Math 1 AND					
804-176 Technical Math 2 AND					
804-177 Technical Math 3 AND					
804-178 Technical Math 4 AND					
806-151 Technical Science 1					
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 AND					
804-178 Technical Math 4 AND					
806-151 Technical Science 1					
Apply technical principles of physics in scientific and industrial settings.					
806-151 Technical Science 1					
Apply organizational and stylistic strategies to fit subject, audience, and purpose in communication					
801-195 Written Communication AND					
801-196 Oral / Interpersonal Communication OR 801-197 Technical Reporting					
OR 801-198 Speech					
Evaluate content, organization, supporting materials, credibility, and style of communication for decision-making.					
801-196 Oral / Interpersonal Communication OR 801-197 Technical Reporting					
OR 801-198 Speech					
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					
Apply psychological principles to personal and professional relationships.					
809-199 Psychology of Human Relations					
OR					
Determine the impact of psychological and social factors have in shaping human behavior.					
809-198 Introduction to Psychology					
Continued					

