

**MORAINÉ PARK TECHNICAL COLLEGE
PROGRAM OUTCOMES WORKSHEET
2008-2009**

Program Name: Civil Engineering Technician
Program Number: 10-607-5
Required Exit Assessment: Capstone Project

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

Program Learning 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 and the stress and strain in structural members. <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				
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 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				
Core Abilities <i>890-125 Student Success AND 890-130 Career Development</i>	Core Ability Inventory				
	Core Ability Inventory and Self-assessment Reflection				
	AND Reflection essay "How I've Changed: Then and Now"				