MORAINE PARK TECHNICAL COLLEGE

ASSESSMENT PORTFOLIO WORKSHEET
2003-2004

Your assessment portfolio will be evaluated by educators and advisory committees and becomes the property of Moraine Park Technical College.

Program Name: Electromechanical Technology
Program Number: 10-620-1
Required DML: Capstones

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

***Choose only 1 or 2 artifacts per Learner Outcome to include in Assessment Portfolio**

Directions: Your completed Assessment Portfolio is a requirement for graduation. Use this Worksheet as you gather artifacts for the required Direct Measures of Learning (DML) in your program. Use columns A and B to enter dates or titles of work that show evidence of your skills and abilities. In column C; use the following key to document the type(s) of evidence you will use to demonstrate growth and/or progress: 1 = Artifact from other coursework, 2 = Integrated in reflection, 3 = Draft or first effort at required DML, 4 = Other (specify). **Note**: These criteria will be used to verify your portfolio at the time of graduation.

EXIT LEARNING OUTCOMES	Contact Course Instructor If No Artifact Is Listed In This Column. **SUGGESTED ARTIFACT***	**A** **Artifact Linked to Outcome**	**B** **Reflection Statement**	**C** **Evidence of Growth/ Progress**
Program Learner Outcomes				
Design an electro-mechanical process control system.	Project Proposal *			
620-133 Electromechanical Controls				
620-146 Industrial Control Systems				
612-103 Industrial Hydraulics / Pneumatics 1				
620-149 Microprocessor Applications				
620-135 Programmable Controller				
620-151 Servomechanisms				
Interpret electro-mechanical process control drawings.	"			
620-115 AC-DC Machinery				
620-133 Electromechanical Controls				
620-146 Industrial Control Systems				
612-103 Industrial Hydraulics / Pneumatics 1				
620-151 Servomechanisms				
Identify electro-mechanical process control components.	"			
620-102 AC Circuits				
620-115 AC-DC Machinery				
620-101 DC Circuits				
620-104 Digital Electronics				
620-133 Electromechanical Controls				
620-146 Industrial Control Systems				
612-103 Industrial Hydraulics / Pneumatics 1				
620-149 Microprocessor Applications				
620-128 Operational Amplifiers				
620-135 Programmable Controller				
620-103 Semi-Conductor Devices				
620-151 Servomechanisms				

Program Learner Outcomes (cont.)	Suggested Artifact	Artifact Linked to Outcome	Reflection Statement	Evidence of Growth/ Progress
Erect an electro-mechanical process control system.	Final Project Report *			
620-146 Industrial Control Systems				
612-103 Industrial Hydraulics / Pneumatics 1				
Program an electro-mechanical process control system.	Final Project Report *			
620-146 Industrial Control Systems				
612-103 Industrial Hydraulics / Pneumatics 1				
620-135 Programmable Controller				
Troubleshoot electro-mechanical process control systems.	"			
620-115 AC-DC Machinery				
620-133 Electromechanical Controls				
620-146 Industrial Control Systems				
612-103 Industrial Hydraulics / Pneumatics 1				
620-135 Programmable Controller				
620-151 Servomechanisms				
Demonstrate use of test instruments.	"			
620-101 DC Circuits				
620-104 Digital Electronics				
612-103 Industrial Hydraulics / Pneumatics 1				
620-128 Operational Amplifiers	* *These two artifacts*			
620-103 Semi-Conductor Devices	*cover all outcomes*			

General Education Learner Outcomes				
Apply organizational and stylistic strategies to fit subject, audience, and purpose in communication				
801-195 Written Communication				
801-197 Technical Reporting				
Apply psychological principles to personal and professional relationships				
809-199 Psychology of Human Relations				
Apply the foundational elements of economic reasoning to personal and business decision-making				
809-195 Economics				
Complete the process of identifying, developing, and applying technical principles of physics in				
scientific and industrial settings.				
806-155 Technical Physics				
Determine mathematical concepts needed to solve an application.				
806-155 Technical Physics				
Determine the impact of psychological and social factors have in shaping human behavior				
809-196 Introduction to Sociology				
809-199 Psychology of Human Relations				
Evaluate content, organization, supporting materials, credibility, and style of communication fo				
decision-making.				
801-197 Technical Reporting				
804-165 Msthematics , Electronics Unit 1				
Examine the complexities of society from a sociological perspective.				
809-196 Introduction to Sociology				

Elective OR Other Courses (course number and title)	**Suggested Artifact**	**Artifact Linked to Outcome**	**Reflection Statement**	**Evidence of Growth/ Progress**
Core Abilities Indicate _____Inventory and/or _____Integrated in Reflections				
Work Cooperatively				
Complete assigned tasks for team/group work.				
Use collaborative strategies to complete tasks.				
Exchange information, ideas, and opinions in a team/group setting.				
Show evidence of respect for diversity.				
Act Responsibly				
Complete assigned tasks according to prescribed deadlines.				
Complete assigned tasks according to prescribed criteria.				
Adhere to established attendance criteria.				
Value Self Positively				
Adapt hygiene and appearance to requirements of work and educational environment				
Identify personal strengths and areas for improvement.				
Exchange information, ideas, and opinions in a team/group setting.				
Show evidence of respect for diversity.				
Think Critically and Creatively				
Distinguish between fact and opinion.				
Synthesize information from a variety of sources.				
Use problem-solving and decision-making strategies.				
Apply global perspective to decisions and actions.				
Communicate Clearly				
Use bias-free language.				
Use language that is free of obscenities.				
Apply listening skills.				
Apply standard rules of language structure including grammar, spelling, and punctuation				
Work Productively				
Complete assigned tasks according to established conditions.				
Evaluate work using established criteria.				
Learn Effectively				
Use resources to meet learning needs.				
Organize information.				
Produce evidence of learning.				