

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

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

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

* * * At least one artifact is required for each 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				
Design an electro-mechanical process control system.	Project Proposal *			
<i>620-133 Electromechanical Controls</i>				
<i>620-146 Industrial Control Systems</i>				
<i>612-103 Industrial Hydraulics / Pneumatics 1</i>				
<i>620-149 Microprocessor Applications</i>				
<i>620-135 Programmable Controller</i>				
<i>620-151 Servomechanisms</i>				
Interpret electro-mechanical process control drawings.	Project Proposal *			
<i>620-115 AC-DC Machinery</i>				
<i>620-133 Electromechanical Controls</i>				
<i>620-146 Industrial Control Systems</i>				
<i>612-103 Industrial Hydraulics / Pneumatics 1</i>				
<i>620-151 Servomechanisms</i>				
Identify electro-mechanical process control components.	Project Proposal *			
<i>620-102 AC Circuits</i>				
<i>620-115 AC-DC Machinery</i>				
<i>620-101 DC Circuits</i>				
<i>620-104 Digital Electronics</i>				
<i>620-133 Electromechanical Controls</i>				
<i>620-146 Industrial Control Systems</i>				
<i>612-103 Industrial Hydraulics / Pneumatics 1</i>				
<i>620-149 Microprocessor Applications</i>				
<i>620-128 Operational Amplifiers</i>				
<i>620-135 Programmable Controller</i>				
<i>620-103 Semi-Conductor Devices</i>				
<i>620-151 Servomechanisms</i>				

Continued

		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					
Program Learning Outcomes (continued)					
Erect an electro-mechanical process control system.					
620-146 Industrial Control Systems		Final Project Report *			
612-103 Industrial Hydraulics / Pneumatics 1					
Program an electro-mechanical process control system.					
620-146 Industrial Control Systems		Final Project Report *			
612-103 Industrial Hydraulics / Pneumatics 1					
620-135 Programmable Controller					
Troubleshoot electro-mechanical process control systems.					
620-115 AC-DC Machinery		Final Project Report *			
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		Final Project Report *			
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 Learning Outcomes					
Apply organizational and stylistic strategies to fit subject, audience, and purpose in communication					
801-195 Written Communication					
801-197 Technical Reporting					
Evaluate content, organization, supporting materials, credibility, and style of communication for decision-making.					
801-197 Technical Reporting					
Determine mathematical concepts needed to solve an application.					
804-165 Math - Electronics Unit 1					
804-166 Math - Electronics Unit 2					
804-167 Math - Electronics Unit 3					
Apply psychological principles to personal and professional relationships.					
809-199 Psychology of Human Relations					

		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 (continued)					
Perform mathematical calculations. <i>806-155 Technical Physics</i>					
Determine mathematical concepts needed to solve an application. <i>806-155 Technical Physics</i>					
Apply technical principles of physics in scientific and industrial settings. <i>806-155 Technical Physics</i>					
Apply the foundational elements of economic reasoning to personal and business decision-making. <i>809-195 Economics</i>					
Examine the complexities of society from a sociological perspective. <i>809-196 Introduction to Sociology</i>					
Core Abilities					
<i>890-125 Student Success</i> AND <i>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"			

LEARNER:

I understand that this portfolio will be evaluated by educators and advisory committees and becomes the property of Moraine Park Technical College.

<p>The contents of this portfolio _____ MAY MAY NOT _____ be displayed to other students and the general public.</p>

VERIFIER:

After verification is complete, forward portfolio to the **Outcome Assessment Office.**

Signature of Learner

Date

Signature of Verifier

Date