

Program: Mechanical Maintenance

Degree: Certificate and Associate in Applied Science

Program Learning Outcomes:

1. Demonstrate methods in the technical and safety aspects of mechanical maintenance.
2. Describe the responsibilities of the maintenance mechanic and the tools needed for the repair and maintenance of plant equipment.
3. Demonstrate through inspection and testing, basic competency of welding processes vital to mechanical maintenance.
4. Inspect and analyze a wide variety of mechanical equipment in order to assist in its repair and preventative maintenance.

Assessment Cycle:

	AY 2017-2018	AY 2018-2019	AY 2019-2020	AY 2020-2021
Outcome #1	A OSHA 10 Online Training MMAT 103 Fall	R	A OSHA 10 Online Training MMAT 103 Fall	R
Outcome #2	A Belt and Chain Drive Labs MMAT 150 Spring	R	A Belt and Chain Drive Labs MMAT 150 Spring	R
Outcome #3	A Weld 173 (written test and bend test)	R	A Weld 110 (written test and visual test)	R
Outcome #4	R	A Lubrication Labs and Work Book MMAT 115 Fall	R	A Lubrication Labs and Work Book MMAT 115 Fall
IELO		A OSHA 10 Online Training MMAT 103 Fall		A OSHA 10 Online Training MMAT 103 Fall

A = Assessment evidence collected

R = Reflect on data, prep year

Program Curriculum Map

	Semester Offered	PROGRAM LEARNING OUTCOMES				IELO
		#1	#2	#3	#4	Critical Thinking
MMAT 101	Fall	X				
MMAT 103	Fall	X, A	X			X, A
MMAT 105	Fall	X	X			
MMAT 107	Fall	X	X			
MMAT 109	Fall	X				
MMAT 111	Fall	X				
MMAT 113	Fall	X	X			
MMAT 115	Fall	X	X		X, A	X
MMAT 117	Fall	X	X			
MMAT 119	Fall	X	X			
MMAT 150	Spring	X	X, A		X	X
MMAT 155	Spring	X	X			
MMAT 160	Spring	X	X		X	
MMAT 162	Spring	X	X			
MMAT 170	Spring	X	X		X	
MMAT 175	Spring	X	X		X	X
MMAT 180	Spring	X	X			
MMAT 205	Spring	X				
WELD 110	Fall			X		X
WELD 118	Fall			X		
WELD 135	Fall			X		
WELD 140	Fall			X		
WELD 170	Fall			X		
WELD 173	Fall			X		

X = Material introduced, reinforced, and/or opportunity to practice

A = Assessment evidence collected (e.g., lab activity, exam, paper, assignment, etc.)