

# COURSE OUTCOME MATRIX

## COURSE SYLLABUS

### PART 2 of 3

Course Number and Title	MX 120 Mechanical Power I
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Credit Hours	2
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Course Description	Mechanical Power I is a comprehensive introduction to fundamentals of industrial mechanical concepts, principles, and equipment. The course covers safety, lubrication, bearing installation and removal, proper installation and adjustment of belt and chain drives, as well as coupling and shaft alignment.
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Prerequisite(s) and/or Corequisite(s)	N/A
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Required Textbooks/References/Course Materials:

Industrial Maintenance	2nd	Michael Brumbach	Cengage	1133131190
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	General Education Outcomes
1	Utilize written and verbal language to discuss and comprehend information, incorporating a variety of technologies, such as text, data, and images (written language, verbal language, and information technology).
2	Identify and interpret relevant information in order to formulate an opinion or conclusion (critical thinking).
3	Demonstrate and communicate computational methods and mathematical reasoning in a variety of formats (using words, tables, graphs, mathematical equations, etc., as appropriate) (quantitative literacy and fluency).
4	Communicate in appropriate ways with those who are culturally diverse (intercultural competence).

	Program/Department Outcomes
1	Prepare students to become safe and competent electrical technicians
2	Provide opportunities to display critical thinking skills
3	Demonstrate responsible professional conduct and behavior.
4	Effectively communicate.
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	Course Outcomes (CO)	Bloom's Domain for CO (C, A, P), Category, and Level	Program/Department Outcome(s)	Written Language	Verbal Language	Information Technology	Critical Thinking	Quantitative Literacy and Fluency	Intercultural Competence
1	Comprehend the purpose and proper use of basic hand tools and instruments relative to general mechanical maintenance.	C-Understanding (2)	1, 4	1	1	1	1	2	0
2	Comprehend various symbols to Interpret and develop schematic diagrams, mechanical drawings relative to basic electrical, mechanical and hydraulic circuits.	C-Understanding (2)	1, 4	1	1	1	1	2	0
3	Demonstrate workplace safety via the lab assignments and lecture discussions.	C-Applying (3)	1, 2, 3	1	1	1	1	2	0
4									
5									
6									
7									
8									
9									
10									

Bloom's Domain Legend

C = Cognitive  
A = Affective  
P = Psychomotor

General Education Outcome Legend

2 = Included and Measurable  
1 = Introduced and/or Minimally Addressed and Not Measurable  
0 = Not included

Approved: May 2021  
Reviewed: November 11, 2021