

MANUFACTURING INDUSTRIAL TECHNOLOGY
Associate in Applied Science
Industrial Maintenance Technology
Advanced Manufacturing Technician Track
Degree

Academic Plan Code **470303702**

Contact Information: Jonathan Baker				
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Student Name		Student ID#		
Course	Hours	Grade	Semester	
GENERAL EDUCATION				
ENG 101 Writing I	3			
MAT 116 Technical Mathematics OR Higher	3			
Natural Sciences	3			
Heritage/Humanities	3			
Social/Behavioral Sciences	3			
Oral Communications	3			
Subtotal	18			
TECHNICAL CORE				
Digital Literacy	0 - 3			
BRX 120 Basic Blueprint Reading	3			
CMM 110 Fundamentals of Machine Tools-A	3			
EET 270 Electrical Motor Controls I AND	2			
EET 271 Electrical Motor Controls I Lab	2			
EET 272 Electrical Motor Controls II AND	2			
EET 273 Electrical Motor Controls II Lab	2			
EET 276 Programmable Logic Controllers AND	2			
EET 277 Programmable Logic Controllers Lab	2			
FPX 100 Fluid Powr AND	3			
FPX 101 Fluid Power Lab	2			
IET 111 Lean Safety Culture	1			
IET 113 Lean 5S Methodology	1			
IET 112 Lean Manufacturing Concepts	1			
IET 114 Lean Problem Solving Methodology	1			
IET 115 Lean Machine Reliability	1			
IMT 100 Welding for Maintenance AND	3			
IMT 101 Welding for Maintenance Lab	2			
IMT 110 Industrial Maintenance Electrical Principles AND	3			
IMT 111 Industrial Maintenance Electrical Principles Lab	2			
IMT 150 Maintaining Industrial Equipment AND	3			
IMT 151 Maintaining Industrial Equipment Lab	2			
IMT 200 Industrial Robotics and Robotic Maintenance	4			
IMT 289 Industrial Maintenance Technology Capstone	1			
Subtotal	51			
Total Credits	66 - 69			

Revised Date: 10/22/2021

KENTUCKY COMMUNITY & TECHNICAL COLLEGE SYSTEM

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First Semester		
Course No.	Course Title	Credit Hours
IMT 110	Industrial Maintenance Electrical Principles	3
IMT 111	Industrial Maintenance Electrical Principles Lab	2
FPX 100	Fluid Power AND	3
FPX 101	Fluid Power Lab	2
MAT 116	Technical Mathematics OR Higher	3
IET 111	Lean Safety Culture	1
	Subtotal	14
Second Semester		
Course No.	Course Title	Credit Hours
ENG 101	Writing I	3
IMT 150	Maintaining Industrial Equipment I AND	3
IMT 151	Maintaining Industrial Equipment I Lab	2
IMT 100	Welding for Maintenance AND	3
IMT 101	Welding for Maintenance Lab	2
IET 113	Lean 5S Methodology	1
	Digital Literacy	0 - 3
	Subtotal	14 - 16
Third Semester		
Course No.	Course Title	Credit Hours
EET 270	Electrical Motor Controls I AND	2
EET 271	Electrical Motor Controls I Lab	2
EET 272	Electrical Motor Controls II AND	2
EET 273	Electrical Motor Controls II Lab	2
BRX 120	Basic Blueprint Reading	3
	Subtotal	11
Fourth Semester		
Course No.	Course Title	Credit Hours
CMM 110	Fundamentals of Machine Tools - A	3
EET 276	Programmable Logic Controllers AND	2
EET 277	Programmable Logic Controllers Lab	2
IET 114	Lean Problem Solving Methodology	1
	Natural Sciences	3
	Heritage/Humanities	3
	Subtotal	15

