

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	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 1301 Safety Culture	1			
IET 1302 5S	1			
IET 1303 Total Production System Maintenance	1			
IET 1304 Problem Solving	1			
IET 1305 Maintenance 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 198 Practicum	2			
IMT 200 Industrial Robotics and Robotic Maintenance	4			
IMT 289 Industrial Maintenance Technology Capstone	1			
Subtotal	53			
Total Credits	71			

Revised Date: 8/31/2017

KENTUCKY COMMUNITY & TECHNICAL COLLEGE SYSTEM

KCTCS is an equal opportunity employer and educational institution.

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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 1301	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 1302	5S	1
	Digital Literacy	3
	Subtotal	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 1304	Problem Solving	1
	Natural Sciences	3
	Heritage/Humanities	3
	Subtotal	15

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Fifth Semester		
Course No.	Course Title	Credit Hours
IMT 198	Practicum	2
IMT 200	Industrial Robotics and Robotic Maintenance	4
IMT 289	Industrial Maintenance Technology Capstone	1
IET 1303	Total Production System Maintenance	1
IET 1305	Maintenance Reliability	1
	Oral Communications	3
	Social/Behavioral Science	3
	Subtotal	15
	Grand Total	71

Program Coordinator Notes: Progression in the Industrial Maintenance Technology program is contingent upon achievement of a grade of "C" or better in each technical course and maintenance of a 2.0 cumulative grade point average or better (on a 4.0 scale). It is the ultimate responsibility of the student to stay current with the curriculum requirements. Please refer to the KCTCS Catalog for a complete list of courses accepted for this credential.

NOTE: The Advanced Manufacturing Technician (AMT) Pathway requires classroom days for 8 clock hours by College Faculty plus Manufacturing Core Exercises on the job.