

Program Coordinator: Allan Robertson

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 Program Website: <https://bluegrass.kctcs.edu/education-training/apprentice-opportunities/amt/index.aspx>

Student Name:

Student ID:

Students need to be at KCTCS placement levels for all courses

Pre-Admission Requirements
Student must be selected into this program by industry. Contact Allan Robertson for more information. Classes start each Fall semester.

First Semester	Credit Hours	Term	Grade	Prerequisites	Notes
FPX 100 Fluid Power	3	Fall			
FPX 101 Fluid Power Lab	2	Fall			
IMT 110 Industrial Maintenance Electrical Principles*	3	Fall			*See note on back.
IMT 111 Industrial Maintenance Electrical Principles Lab*	2	Fall			*See note on back.
MAT 116 Technical Mathematics or higher level Quantitative Reasoning course	3	Fall			MAT 126 Technical Algebra and Trigonometry is cohort course
Heritage or Humanities course	3	Fall			HIS 240 History of Kentucky is cohort course
IET 1301 Safety Culture	1	Fall			
Total Semester Credit Hours	17				

Second Semester	Cr. Hrs.	Term	Grade	Prerequisites	Notes
EET 270 Electrical Motor Controls I	2	Spring		IMT 110 or ELT 110 Coreq: EET 271	
EET 271 Electrical Motor Controls I Lab	2	Spring		IMT 110 or ELT 110 Coreq: EET 270	
IMT 150 Maintaining Industrial Equipment I	3	Spring		Coreq: IMT 151	
IMT 151 Maintaining Industrial Equipment I Lab	2	Spring		Coreq: IMT 150	
Oral Communications course	3	Spring			COM 252 Introduction to Interpersonal Communication is cohort course
Social and Behavioral Science course	3	Spring			SOC 101 Introduction to Sociology is cohort course
IET 1302 5S	1	Spring			
Total Semester Credit Hours	16				

Summer Term	Cr. Hrs.	Term	Grade	Prerequisites	Notes
BRX 120 Basic Blueprint Reading	3	Summer			
IET 1303 Total Production Management	1	Summer			
CMM 110 Fundamentals of Machine Tool – A	3	Summer			
Total Semester Credit Hours	7				

Third Semester	Cr. Hrs.	Term	Grade	Prerequisites	Notes
EET 276 Programmable Logic Controllers	2	Fall		Coreq: EET 277	
EET 277 Programmable Logic Controllers Lab	2	Fall		Coreq: EET 276	
EET 272 Electrical Motor Controls II	2	Fall		Coreq: EET 273	
EET 273 Electrical Motor Controls II Lab	2	Fall		Coreq: EET 272	
ENG 101 English	3	Fall			
Digital Literacy	3 – 4	Fall			CAD 103 CAD Fundamentals is cohort course
IET 1304 Problem Solving	1	Fall			
Total Semester Credit Hours	15 – 16				

Fourth Semester	Cr. Hrs.	Term	Grade	Prerequisites	Notes
IMT 200 Industrial Robotics and Robotic Maintenance**	4	Spring		IMT 110 and IMT 111	**See note below.
IMT 100 Welding for Maintenance	3	Spring			
IMT 101 Welding for Maintenance Lab	2	Spring			
Natural Sciences	3	Spring			PHY 171 Applied Physics is the cohort course
IET 1305 Maintenance Reliability	1	Spring			
IMT 198 Practicum	2	Spring		Instructor Consent	
IMT 289 Industrial Maintenance Technology Capstone	1	Spring		BRX 120, FRX 100/101, IMT 100/101, IMT 110/111, IMT 150/151 and IMT 220/221	
Total Semester Credit Hours	16				
Total Degree Credit Hours	71 – 72				

- Graduation Requirements:**
- 25% or more of Total Program Credit Hours must be earned at BCTC
 - Cumulative GPA must be 2.0 or higher

Advisor Name _____ **Advisor Contact** _____

Additional Information
<p>Applications for AMT program will be available from September 1 through December 31. Anyone interested in enrolling in the AMT program must complete the online AMT program application and submit the required documents to the address listed on the application form. An enrollment application to Bluegrass Community and Technical College is also required. Information about applications for both the AMT program and BCTC can be found at https://bluegrass.kctcs.edu/education-training/apprentice-opportunities/amt/index.aspx.</p> <p>To be considered for selection to the program, potential students must have no less than a 19 ACT Math and be 18 years of age by program start date, a current graduating senior, and a US citizen. There are no pre-requisite classes required to apply for this program.</p> <p>To be enrolled in the AMT program, the student must be sponsored by a manufacturing company that is a KY-FAME member. Presently, students selected for the AMT program will attend classes for 2 years including the summer term. Each course requires a letter grade of C or better upon completion. Students who finish the course with a letter grade lower than a C will lose sponsorship.</p> <p>Be advised that we will not be meeting with potential students until after the application process starts. Also, know that applying to the AMT program does not guarantee acceptance. The application of the potential AMT student and the entrance exam scores will be reviewed. If the requirements of the application are met, the potential student may be selected for an interview, once all interviews are completed, industry leaders will select which students they wish to sponsor. Please keep in mind that the process from application to selection is a lengthy process and that you will be contacted if selected for an interview, and then if selected for sponsorship.</p> <p>*If IMT 110/111 Industrial Maintenance Electrical Principles and Lab are not available, ELT 110 Circuits I may be substituted with the approval of the Industrial Maintenance Technology Program Coordinator.</p> <p>**If IMT 200 Industrial Robotics and Robotic Maintenance is not available, ELT 260 Robotic and Industrial Automation may be substituted with the approval of the Industrial Maintenance Technology Program Coordinator.</p> <p>Students must earn a grade of C or better in all courses and maintain a cumulative GPA of 2.0 or better.</p> <p>Students may or may not receive credit toward this degree for past course work based on the sponsoring company's expectations.</p>