

West Kentucky Community & Technical College

Work and Learn in Advanced Manufacturing!

Associate in Applied Science Degree Industrial Maintenance Technology - Advanced Manufacturing Technician Track

What is the KY FAME program?

The Kentucky Federation for Advanced Manufacturing Education (KY FAME) program offers education and training for high-paying and diverse career options in advanced manufacturing. Program participants gain on-the-job experience with a sponsoring company 24 hours a week while attending classes at West Kentucky Community and Technical College two full days a week. This allows students to reinforce classroom instruction with paid, hands-on-training. After five semesters, students not only earn an associate degree in Applied Science, but their work experience surges them ahead of their competitors.

What will KY FAME students gain?

Upon completion of the program, students receive certification as Advanced Manufacturing Technicians, meaning they are knowledgeable in electricity, fluid power, mechanics, fabrication, and robotics. In addition to this multi-skilled certification, they earn an associate degree and more than a year of work experience to put on their resumes. Best of all, students often graduate the program with little or no debt.

Why is Advanced Manufacturing a great career choice?

Kentucky boasts a robust manufacturing industry, but industry leaders often voice concerns that they cannot find the skilled workforce they need. Therefore, advanced manufacturing employees are in high demand and receive above-average pay. The average annual income for manufacturing employees in Kentucky is \$55,942, significantly more than the average of \$42,632 for all other industries. In addition to pay advantages, jobs related to advanced manufacturing show higher levels of retention, with turnover rates almost 3% lower than other industries. These employees are skilled, well paid and involved in innovative and challenging work.

How does the program work?

KY FAME is ideal for recent high school graduates, incumbent workers, and military veterans. A manufacturing company selects participants before they even begin their coursework. A new class begins each fall. Applications are accepted before March 15. Manufacturers will identify students who meet eligibility requirements and begin interviews in April. Students work for a competitive 24 hours a week and attend class a minimum of 16 hours a week. Students who are likely to be hired after the five-semester program are those who receive satisfactory or above work evaluations, earn a "C" or better in all coursework, complete the manufacturing core exercises, and demonstrate a good work ethic and related behavioral skills.

Would you like to learn more about KY FAME? Are you ready to apply?

Contact Jonathan Baker at (270) 856-2408 or jonathan.baker@kctcs.edu for more information.

KYFAME
WEST KENTUCKY CHAPTER

Program Advantages

- Low or no Student-Loan Debt
- Competitive Salary
- 2 days in class on campus
3 days at employer site
- 2,000+ hours on-the-job training & work experience
- Applied Science Degree in five consecutive semesters
- Promising career pathway
- Success Coach



WKCTC is an equal educational and employment opportunity institution.



KENTUCKY COMMUNITY & TECHNICAL COLLEGE SYSTEM

SAMPLE KYFAME SCHEDULE FOR WKCTC STUDENTS

Fall Semester #1		
Class #	Description	Credit Hours
IMT 110	Electrical Principles	2
IMT 111	Electrical Principles Lab	3
FPX 100	Fluid Power	3
FPX 101	Fluid Power Lab	2
IET 1301	MCE: Safety Culture	1
MAT 116	Technical Math	3
		14
Spring Semester #1		
EET 270	Electrical Motor Controls I	2
EET 271	Electrical Motor Controls I Lab	2
EET 272	Electrical Motor Controls II	2
EET 273	Electrical Motor Controls II Lab	2
IET 1302	MCE: Workplace Organization (5S)	1
ENG 101	Writing 1	3
BRX 120	Basic Blueprint Reading	3
		15
Summer Semester		
IMT 150	Maintaining Industrial Equipment	3
IMT 151	Maintaining Industrial Equipment Lab	2
IET 1303	MCE: Total Production System Maintenance	1
COM 101	Basic Public Speaking	3
		9
Fall Semester #2		
EET 276	Programmable Logic Controllers	2
EET 277	Programmable Logic Controllers Lab	2
IMT 200	Industrial Robotics and Robotic Maintenance	4
IET 1305	MCE: Maintenance Reliability	1
IET 1304	MCE: Problem Solving	1
HIS 109	Heritage/Humanities	3
PHY 171	Applied Physics	3
		16
Spring Semester #2		
DLC 100	Digital Literacy	3
IMT 100	Welding for Maintenance	3
IMT 101	Welding for Maintenance Lab	2
CMM 110	Fundamentals for Machine Tools	3
IMT 198	Practicum	2
SOC 101	Intro to Sociology	3
IMT 289	Industrial Maintenance Tech. Capstone	1
		17
Total Credits		71

Participants must have a high school diploma or GED and minimum ACT scores of 18 in English, 19 in math, and 20 in reading or equivalent scores on another acceptable assessment.

Revised: 09/08/17



Manufacturing Core Exercises (MCEs) develop specific skills for work in the manufacturing industry sector utilizing an overlapping, integrated approach. The AMT track contains five MCEs reflecting manufacturing-specific professional skills. One MCE is delivered each semester, building upon the prior MCE throughout the program.

Personal Behaviors – including Attendance, Communication, Diligence, Teamwork, and Interpersonal Relations and Initiative – are aligned with the MCEs and incorporated into the academic curriculum and emphasized in the workplace each semester. Assessment and evaluation of personal behavior development occurs in partnership between the college and the KY FAME sponsoring employer.



Participating manufacturers are members of the Kentucky Federation for Advanced Manufacturing Education (KY FAME). These companies have banded together to partner with WKCTC to create world-class technicians for the workforce of tomorrow and include:

- Ace Compressor
- Air Relief
- Briggs & Stratton
- Centrifugal Technologies
- Genova
- IWIS, LP
- Kayser Automotive
- MRCOOL
- MVP Group
- Progress Rail
- Vanderbilt Company