

# Work and Learn in Advanced Manufacturing!

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

## What is the KYFAME program?

Kentucky Federation for Advanced Manufacturing Education (KYFAME) offers training for high-paying diverse career options in advanced manufacturing. Participants gain on-the-job experience with a sponsoring company 24 hours a week while attending classes at Hopkinsville Community 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 HOPFAME 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?

HOPFAME is ideal for recent high school graduates, incumbent workers, and military veterans. Participants are selected by a manufacturing company before they even begin their coursework. A new class begins each fall. Applications are accepted between September 1 and April 30. Manufacturers identify students who meet eligibility requirements and begin interviews in May. Students work for a competitive wage 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 HOPFAME? Are you ready to apply?

Visit [rebrand.ly/HOPFAME](http://rebrand.ly/HOPFAME) for an application or contact HOPFAME Success Coach Tara Rascoe at (270) 707-3745.

# HOPFAME

HOPKINSVILLE KENTUCKY FEDERATION FOR  
ADVANCED MANUFACTURING EDUCATION

## Program Advantages

- Potentially Zero Student 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  
5 Consecutive Semesters
- Promising Career Pathway
- KYFAME Success Coach

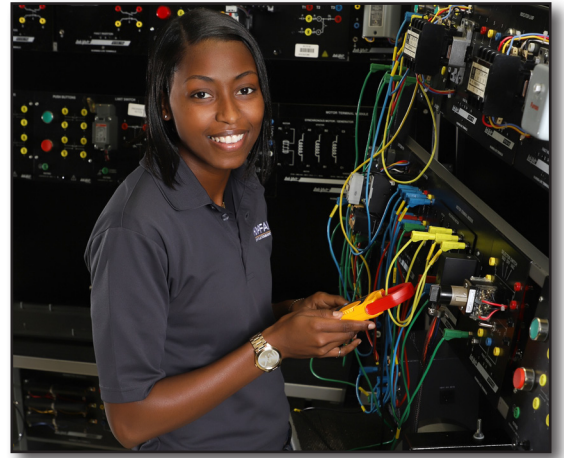


**HOPKINSVILLE**  
COMMUNITY COLLEGE

## SAMPLE HOPFAME SCHEDULE

FALL SEMESTER #1		
Class #	Description	Credit Hours
EET 119	Basic Electricity	5
FPX 100	Fluid Power	3
FPX 101	Fluid Power Lab	2
IET 1301	MCE: Safety Culture	1
MAT 126	Technical Algebra and Trigonometry	3
CIT 105	Introduction to Computers	3
		17
SPRING SEMESTER #1		
EET 270	Electrical Motor Controls I	2
EET 271	Electrical Motor Controls I Lab	2
EET 276	Programmable Logic Controllers	2
EET 277	Programmable Logic Controllers Lab	2
IET 1302	MCE: Workplace Organization (5S)	1
ENG 101	Writing I	3
		12
SUMMER SEMESTER		
IMT 150	Maintaining Industrial Equipment	3
IMT 151	Maintaining Industrial Equipment Lab	2
EET 272	Electrical Motor Controls II	2
EET 273	Electrical Motor Controls II Lab	2
IET 1303	MCE: Total Production System Maintenance	1
COM 205	Business and Professional Communication	3
		13
FALL SEMESTER #2		
IMT 100	Welding for Maintenance	3
IMT 101	Welding for Maintenance Lab	2
CMM 110	Fundamentals of Machine Tools A	3
IET 1304	MCE: Problem Solving	1
SOC 101	Introduction to Sociology	3
HIS 109	History of the US Since 1865	3
		15
SPRING SEMESTER #2		
BRX 120	Basic Blueprint Reading	3
IMT 198	Practicum	2
IMT 200	Industrial Robotics and Robotic Maintenance	4
IMT 289	Industrial Maintenance Technology Capstone	1
IET 1305	MCE: Maintenance Reliability	1
PHY 171A	Applied Physics	4
		15
<b>Total Credit Hours</b>		<b>72</b>

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.



**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 KYFAME sponsoring employer.

# HOPFAME

## HOPKINSVILLE KENTUCKY FEDERATION FOR ADVANCED MANUFACTURING EDUCATION

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

- Brazeway
- Comefri
- Continental Mills
- Danfoss Power Solutions
- Douglas Autotech
- Ebonite International
- Hankook Tire
- Huhtamaki
- Martinrea
- Metalsa Structural Products
- MSSC
- Novelis
- Par4 Plastics
- Plymouth Engineered Shapes
- Pregis
- Riken Elastomers
- T.RAD North America
- Toyoda Gosei
- Wabash National