

Jefferson Community & Technical College Advanced Manufacturing (FAME)

Certified April 8, 2020



Program Summary

The Advanced Manufacturing Technician Program (AMT) is a two-year (five semester) Associate Degree that combines cutting-edge curriculum, paid working experience along with learning highly sought-after business principles and best practices of world-class manufacturers.

The college and the manufacturer work together closely to enhance student learning. In addition to gaining skill mastery in the educational portion of the program, students learn about the culture of manufacturing through manufacturing workshops such as safety culture, lean manufacturing, and problem solving. Students are provided opportunities to increase communication and presentation skills and to develop their work ethic. Students earn a wage while attending college and gain work experience with global and local manufacturers.

The Kentucky Federation for Advanced Manufacturing Education (KY FAME) is an industry-led public private partnership implementing the world-class model for developing manufacturing talent.

Strengths & Noteworthy Practices

The program design combines coursework with field training. Students are offered multiple opportunities to apply learning in work-relevant contexts. All students in the program are employed by industry partners and engage in three, eight-hour days per week at their workplace. The program integrates work-relevant outcomes to campus-based work experiences and vice versa.

Students show evidence of teamwork, inquiry and collaboration in their presentations at work and school where they work with other team members. Students are expected to communicate in written, oral, interpersonal and presentation modes. They are required to carry out their responsibilities consistently, persistently, reliably and maintain appropriate confidentiality concerning intellectual properties of their employer. Daily monitoring of students is communicated to the employers. Time management and consistent behavioral practices are emphasized.

Employers are engaged in the program design, aligning course material with embedded, hands-on employment experience. Employers, faculty, and providers support all students throughout the program in the classroom, the worksite, and through additional, optional professional development opportunities.



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