

Bluegrass Community & Technical College Advanced Manufacturing (FAME)

Certified April 8, 2020



Program Summary

The Advanced Manufacturing Technician Program (AMT) is a two-year (five semesters) 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 exposed to various settings and real-world situations that will further strengthen their knowledge of the subject. Project presentations are located in multiple courses and are scored by a panel of both industry experts and faculty. Employer evaluations specifically address students' ability to work in teams. The program culminates with a capstone course experience and includes both instructor and employer evaluation.

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. A "Lunch and Learn" program brings together students, faculty, employers, and student support providers to close the communication feedback loop.

The AMT Advisory Board is a formalized mechanism for engaging employers in the program, including curriculum development and improvement. Employers are engaged via the Advisory Board and as partners in the program via the required internship. Students and alumni are also represented on the Advisory Board.