

BridgeValley Community & Technical College Advanced Manufacturing - Technical Maintenance

September 9, 2025

Program Summary

The Bridge Valley Advanced Manufacturing Technology (AAS-AMFT) degree offers a hands-on course of study that prepares graduates for modern manufacturing careers. Graduates repair, troubleshoot, and maintain equipment such as automated controls, process systems, hydraulics, pneumatics, conveyors, and robots. They gain a broad background in electrical, mechanical, fluid power, automation, and process control, along with basic fabrication skills for working with advanced electromechanical machinery.



Strengths & Noteworthy Practices

The program stands out for its strong integration of [Essential Employability Qualities](#) (EEQs) with technical training. Students consistently build strengths in problem-solving, teamwork, communication, and professionalism through hands-on labs, real-world projects, and applied coursework that mirrors workplace demands. Graduates are prepared to troubleshoot complex systems, collaborate effectively in teams, and communicate technical information clearly.

The program's partnership with the Federation for Advanced Manufacturing Education (FAME) is a notable strength. By blending classroom instruction with paid, on-the-job industry experience, students gain mentorship, career coaching, and often graduate debt-free while transitioning directly into well-paying jobs. Career support services are accessible and embedded into the program, while wraparound supports such as 24/7 tutoring and the ASCEND program help ensure equity and access. Apprenticeships and extensive employer engagement—including curriculum input, use of industry-standard technologies, and guest speakers—further connect students to real-world opportunities and strengthen career outcomes.

Together, these elements show how BridgeValley's AMT program delivers on its commitment to preparing graduates not just with technical expertise, but also with the professional and workplace-ready qualities that make them valuable contributors to employers and the community.

