



CAREER & TECHNICAL EDUCATION PROGRAM

Manufacturing Technology

Build career-ready skills in precision manufacturing, machining, automated systems, and modern production technologies.

Program Description

This program introduces students to precision manufacturing, machining principles, technical skills, manufacturing systems, production planning, information systems, quality control, documentation, technical problem-solving, management, predictive/preventive maintenance, and automated manufacturing. Students learn precision metalworking and how to operate equipment such as lathes, mills, and grinders to fabricate metal parts. Instruction also includes working from written blueprints or electronic specifications and using G-code and CAD/CAM systems.

Program Resources



[ADDITIONAL AWC PROGRAM INFORMATION](#)



[ADDITIONAL ADE PROGRAM INFORMATION](#)

Explore your future with STEDY.

Career-ready learning, real-world skills, and pathways to continued education and employment.