

CNC TECHNICIAN (CERTIFICATE E0431)

Technology and Health Division

Certificate E0431

Theory and application of computer numerical control (CNC) machining practices using mills and lathes typical in a wide range of industries. Designed to adapt and upgrade machining skills to industry standards and encourage the development of supplemental skills in computer aided design (CAD) and computer aided manufacture (CAM), metrology, and problem-solving to better address the current needs and expectations of industry. Includes project models that closely approximate industry-representative applications with an emphasis on best practices, efficiency, and an understanding of the way machined parts relate to other related components in the manufacturing environment.

Required Courses

Course Prefix	Course Name	Units
MFG 130	Manufacturing Processes and Materials	3
MFG 250	Introduction to CNC Programming	3
MFG 260	CNC Operation	3
Total Units		9

Program Learning Outcomes

Review Student Learning Outcomes (SLOs) (<http://www.mtsac.edu/instruction/outcomes/sloinfo.html>) for this program.