

COMPUTERIZED MANUFACTURING AND MACHINING

Work activities in machine shop involve applying knowledge of machine capabilities, the properties of materials, and shop practices to set-up and operate various machines. Skills that are needed to position work pieces, adjust machines, and verify the accuracy of machine functions and finish products are taught by classroom instruction, demonstration, and hands-on experience.

Progression in the Computerized Manufacturing & Machining program is contingent upon the achievement of a grade of "C" or higher in each technical course.

Degrees

- Computerized Manufacturing & Machining - AAS (<https://catalog.kctcs.edu/programs-of-study/aas/computerized-manufacturing-machining/computerized-manufacturing--machining-aas/>)

Diplomas

- CNC Machinist - Diploma (<https://catalog.kctcs.edu/programs-of-study/aas/computerized-manufacturing-machining/cnc-machinist-diploma/>)
- Machinist - Diploma (<https://catalog.kctcs.edu/programs-of-study/aas/computerized-manufacturing-machining/machinist-diploma/>)

Certificates

- CNC Machining & Waterjet Technology - Certificate (<https://catalog.kctcs.edu/programs-of-study/aas/computerized-manufacturing-machining/cnc-machining--waterjet-technology-certificate/>)
- CNC Operator I- Certificate (<https://catalog.kctcs.edu/programs-of-study/aas/computerized-manufacturing-machining/cnc-operator-i-certificate/>)
- CNC Operator II- Certificate (<https://catalog.kctcs.edu/programs-of-study/aas/computerized-manufacturing-machining/cnc-operator-certificate/>)
- Exploratory Machining I - Certificate (<https://catalog.kctcs.edu/programs-of-study/aas/computerized-manufacturing-machining/exploratory-machining-certificate/>)
- Machine Tool Operator I - Certificate (<https://catalog.kctcs.edu/programs-of-study/aas/computerized-manufacturing-machining/machine-tool-operator-certificate/>)
- Machine Tool Operator II - Certificate (<https://catalog.kctcs.edu/programs-of-study/aas/computerized-manufacturing-machining/machine-tool-operator-ii-certificate/>)
- Tool & Die Apprentice - Certificate (<https://catalog.kctcs.edu/programs-of-study/aas/computerized-manufacturing-machining/tool--die-apprentice-certificate/>)