



Precision Machining Technology

Mission Statement

The Industrial Machining Program embraces the collective mission statement as it offers lifelong learning opportunities to students who are seeking, or in the process of developing careers in the manufacturing and service industries, as journeyman machinists. Graduates will be able to meet standards established by the industries of District #522, which are developed by the program in collaboration with its advisory committee. Students will be provided access to “state of the art” labs for “hands on” experience that will support a world class-manufacturing base within the local community.

The program will provide high quality graduates with the required knowledge and skills to support our district’s world-class industries.

Educational Goals

1. Apply safe practices when using hand tools and machinery used in the machining trade.
2. Interpret prints in both English and metric dimensions.
3. Choose the correct measuring devices and equipment to inspect finished parts.
4. Demonstrate the set-up and operations of manually operated machinery, utilizing the correct speeds and feeds to part specifications.
5. Demonstrate the procedures to write a program, set-up and operate a Computer Numerical Control machine.
6. Build a Solid Model of a part using CAD software program.
7. Produce a complex program using Computer Aid Manufacturing software.

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