



PRECISION MACHINING TECHNOLOGY

The Medina County Career Center's Precision Machining Technology program incorporates Tooling U and MasterCam Online training into its curriculum to provide students with in-depth knowledge of all aspects of metalworking and manufacturing. Students learn skills for safe operation of modern metalworking tools such as lathes, mills, drills, grinders and computerized numerical control equipment.

Curriculum*

- Precision measurement
- Milling machine operations
- Drill press operations
- Geometric dimensioning and tolerancing
- Physics of metal cutting
- Layout, hand tools and benchwork
- Contour bandsawing
- Engine lathe operations
- Abrasives and precision grinding machines
- Basic metallurgy, heat treating
- Electrical discharge machining
- Medical machining
- Welding and material joining technology
- CNC/CAD/CAM milling
- CNC/CAD/CAM lathe
- MasterCam
- G&M coding
- Tooling U
- Vertical/horizontal saw operation
- Machine shop theory
- Welding theory
- Print reading

Students have the opportunity to earn college credits in this program.

**Students who meet certification criteria will have the opportunity to test in their CT program.*



Certification*

- OSHA 10-Hour Manufacturing certification
- First Aid, CPR and AED
- NIMS

Some Employment Opportunities

- Tool and die maker
- Mold maker
- Machinist/CNC machinist
- Machine set-up/machine repair
- Design
- Engineering
- Tooling/applications engineer
- Quality control inspector
- Internship

Visit mcjvs.edu for more information about our Precision Machining Technology program.

