

Manufacturing Cluster

The Machine Tool Technology program prepares students for entry-level career opportunities in modern computer-integrated manufacturing environments as machinists, tool & die makers, production-control technicians, quality-control technicians, CNC programmers, and CNC setup and operation technicians. Local industry is heavily involved in this program.

Period of Class and Grade Level

Machine Tool Technology is a two (2) year program.

Grade levels: 10, 11, 12 Level 1: AM session Level 2: PM session

Certifications

Upon completion of this two year program, students may earn the following certifications:

- NIMS
- OSHA-10 Safety Training

Job Skills & Requirements

- Work environment requires standing on concrete floor.
- Ability to follow safety rules and willing to wear protective gear at all times.
- Strong ability to read and interpret engineering drawings and blueprints.
- Strong ability to read and interpret precise measurements.
- Use power tools, such as an electric lathe and mill, to manually make machine parts.
- Use Computer Numerically Controlled (CNC) machines to create automated parts.
- Attention to detail is very important to ensure precision of parts.

Cost to Student

Students pay \$100 for a uniform and tools, which are theirs to keep.
(fee subject to change)

Estimated Pay

Estimated pay salaries for a person in the Machine Tool field

| Job Description | Hourly Mean Wage | Estimated Annual Mean Wage |
|------------------|------------------|----------------------------|
| Machinist | \$19.12 | \$39,780 |
| CNC Programmer | \$25.83 | \$53,730 |
| Tool & Die Maker | \$24.62 | \$51,210 |