

# Summary

Machine Tool Technology is a great program to join if you like to work with your hands and use different types of machinery to make all kinds of parts, and earn national industry certifications.



EDM



CNC Mill



## Equal Opportunities

The Corry Area School District is an Equal opportunity education institution and will not discriminate on the basis of race, color, religion, ethnicity, national origin, sex, gender, gender identity and expression, sexual orientation, age or disability, because a person is a disabled veteran or veteran of the Vietnam Era or any other legally protected class, or for engaging in any other protected activities. The District does not discriminate on the basis of sex in the education programs or activities that it operates, as required by Title IX, including in admission and employment practices. Additionally, the District provides equal access to Boy Scouts and other designated youth groups. This policy of non-discrimination extends to all other legally protected classifications. Publications of this policy is in accordance with state and federal laws including Title VII of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, the Age Discrimination Act, Title II of the Americans with Disabilities Act and the Boy Scouts of America Equal Access Act.

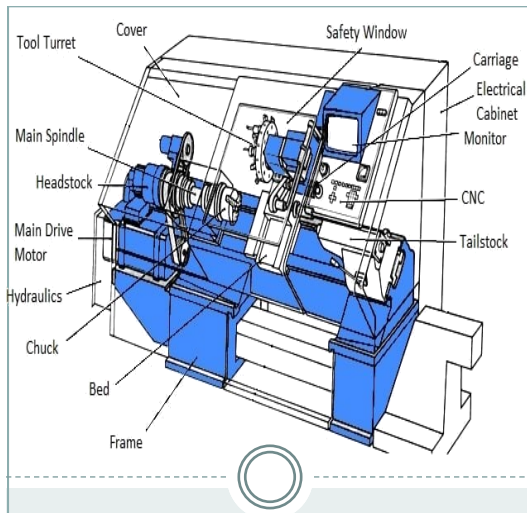


## Corry Area Career and Technical Center

### CIP 48.0501 Machine Tool Technology



**Dana Kruse, Instructor**



## Machine Tool Technology

Machine Tool Technology is a three-year PDE Approved Program of Study (SOAR) designed to prepare individuals to apply technical knowledge and skills in all aspects in shaping metal parts. Instructions involve making computations relating to work dimensions tooling, feeds, and speeds of Machining. Emphasis is placed upon bench work and the operations of lathes, power saws, milling Machine, grinders, drills, and computer operated equipment (CNC). Instruction also includes the use of precision measuring instruments such as layout tools; micrometers, and gauges; methods of machining and heat treatment of various metals; blueprint reading; and layout machine parts. Instruction preparing students to operate all types of hand and computer controlled machines.

## ENTRANCE

### REQUIREMENTS

High school students are strongly encouraged to take math courses, especially trigonometry, and if available courses in blueprint reading and drafting. Machining students will have the opportunity from NIMS (National Institute of Metalworking) on different types of machines for NIMS Level 1 certification. Once graduated, students are certified to work in the manufacturing trade or have a great background for engineering. Graduates can earn twice the salary than those without certification.



## SKILLS USA

Skills USA is a national organization for vocational students that teaches teamwork, community involvement, and skills to make it when you get out of high school. Skills USA also hosts skill competitions in which the students participate in at the district, state, and national level.

