

Machine Trades



Instructors Greg Wetzel and Scott Dudkiewicz

In the Machine Trades program, students become skilled at using a variety of machines found in the manufacturing industry, including lathes, mills, grinders, and CNC (Computer Numerical Control).

Students will practice techniques needed to safely manufacture parts for a variety of industries such as automotive, medical, electronics, food, aerospace and plastics.

OSHA training is provided to ensure that students can safely complete machining processes and be safe in the workplace.

Industry certifications will be offered throughout the 4-year program, enabling students to be employable upon graduation.

Career Pathways:

Tool & Die Maker
Manual Machinist (Mill &/or Lathe)
Tool Grinder
Mold Designer
CNC Operator
CNC Setup Technician
CNC Programmer,
Quality Control Inspector, Assembly
Mechanical Engineer

Program Entrance Recommendations:

Students should have the following employability skills:

- Safety conscious
- Good attendance
- Professionalism
- Good communication skills
- Mechanically inclined
- Problem-solving skills
- Good math skills

Earn Industry Certifications:

National Institute of Metalworking Skills (NIMS) Level 1 Certifications (11 total)

OSHA 10-Hour Machining (CareerSafe)

Pennsylvania Pre-Apprenticeship Standards Program (leading to employment as a Toolmaker)

Earn College Credits:

PA Bureau of CTE SOAR Articulation Credits– for more information, visit <https://www.collegetransfer.net/Search/PA-Bureau-of-CTE-SOAR-Programs>

