

# Machine Trades



## 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

## Instructor: Scott Dudkiewicz CIP Code 48.0501

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, including 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 employed in in-demand fields upon graduation.

## 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:

Westmoreland County Community College  
Penn Western University  
Delaware County Community College  
Luzerne County Community College  
Thaddeus Stevens College of Technology  
Butler County Community College  
Precision Manufacturing Institute  
Johnson College  
Reading Area Community College  
Erie County Community College