

**NORTH MONTCO TECHNICAL CAREER CENTER  
PRECISION MACHINING TECHNOLOGY**

The Precision Machining Technology course of study is designed to prepare the interested student for varied manufacturing opportunities. The demands for the highly skilled craftsman are many. From the Machine Operator to the Toolmaker, from the Computer Numerical Control (CNC) Operator to the CNC Programmer, all start with the experience and training found in our complete precision machining lab.

The program is nationally certified with the National Institute for Metalworking Skills (NIMS). It emphasizes the safe and proper operation of metalworking machine tools such as lathes, milling machines, precision grinders, and drill presses. The course also includes an introduction to layout and blueprint reading and instruction in computer numerical control (CNC) machining.

**What you will learn:**

- Lathes
- Milling machines
- Precision grinders
- Drill presses
- Introduction to layout and blueprint reading
- Instruction in computer numerical control (CNC) machining

**Physical criteria:**

- Manual dexterity
- Strong eye/hand coordination
- Fine motor skills
- Standing for hours in one position

**Uniform/equipment list:**

**(With approximate costs)**

- Safety Shoes (\$40)
- Safety glasses (\$5)
- Starter Kit (11<sup>th</sup> and 12<sup>th</sup> grade students) (\$40)
- **Approximate Total     \$85**

Students in this program have the opportunity to earn various certifications through the National Institute for Metalworking Skills.

**POTENTIAL CAREER OPPORTUNITIES**

**Career Opportunities:**

Machine Operator  
General Machinist  
Maintenance Machinist  
CNC Operator  
Production Machinist  
Automotive Machinist  
Marine Machinist  
Inspector

**With Post-Secondary Education**

Apprentice Machinist  
Apprentice Toolmaker  
Apprentice Tool & Die Maker  
CNC Programmer  
CNC Technician  
Manufacturing Engineer

**North Montco Technical Career Center  
1265 Sumneytown Pike, Lansdale, PA 19446  
215-368-1177 • [www.nmtcc.org](http://www.nmtcc.org)**

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