Virtually all manufactured products depend on America’s precision machining industry at some point during their production. Machinists setup and operate a variety of machine tools to produce precision parts and mechanical components. Machinists apply knowledge of mechanics, mathematics, metal properties, layout, and machining procedures to create machined parts, molds, dies, and prototypes. In addition they may also fabricate and modify parts to repair machine tools and other industrial machinery.

The Machine Tool Technology Program (MTTC) offers both hands-on learning in traditional and computer numerical control (CNC) machining. The industry certifications students will receive through courses are nationally recognized. This gives graduates the best opportunity for employment and to earn higher wages.

With over 20 machining related industries in the Wabash Valley, quality machinists and CNC machine operators are in high demand and receive good starting wages.

**Degrees & Certificates Offered (Wabash Valley Region):**
- Certificate (CT)
- Technical Certificate (TC)
- Associate of Applied Science (AAS)

**Typical Careers:**
- Machinist
- CNC Operator
- CNC Setup Technician
- CNC Programmer
- First Line Supervisor/Manager of Production

**POINTS OF PRIDE**
- Small class sizes
- Modern, state-of-the-art equipment
- Temperature controlled machining lab
- Students gain experience and competency on traditional machine tools and then learn to operate and program computer numerically controlled (CNC) machines
- 9 National Institute for Metalworking (NIMS) industry certifications embedded within the program
- We have Haas CNC machines - the largest CNC machine tool builder in the western world
- We teach the latest version of Mastercam - the most widely used CAD/CAM software package in the world

Certificate programs in this program are considered by the U.S. Department of Education to be “Gainful Employment” programs. Information about program length, cost, loan debt, graduates, and related occupations can be found at http://www.ivytech.edu/academics/gainful-employment.html.