

Discover PRECISION MACHINING

Industry Overview

Anything with parts—from delicate circuitry to automobiles, military equipment and beyond—is made possible by Precision Machining careers. Professionals in this booming field create the pieces that move the world around us. As technology advances, the need for more sophisticated machinery and operators becomes essential. Use your hands and analytical and creative skills in an exciting future in Precision Machining.

Butler Tech Precision Machining Program Overview

Precision Machining students at Butler Tech learn all aspects of milling, machining and grinding. Prepare for a high-tech career with skills for new and older technology. Utilize state-of-the-art equipment to invent, design and create metal and plastic parts that create tomorrow's essential products.

Training Includes

- Lessons and practice with high-tech tools in real-life situations
- Innovative and hands-on learning in workplace settings
- Industry-trained instructors
- Opportunities for certifications, co-op jobs and college credit even before graduation

College Tech Prep Program

Precision Machining combines college-like instruction with hands-on activities to prepare students for the technical occupations of the future, providing a pathway to an associate degree or beyond. College Tech Prep programs provide advanced skills in math, science, communication and technologies.

Graduate from high school ready for an entry level position as a machinist or tool operator, earn field certifications and have the option to earn college credits to apply to a college degree. Continue your education as an apprentice or at a two or four-year college.

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Northwest Local Schools

Coursework

- Advanced manual machining
- Blueprint reading
- Computer numerical control (CNC) machining
- Engine lathe operations
- Interviewing and career planning
- Measurements using standard gauges
- Milling machine operations
- Reading and measuring gauges
- Surface grinding

Learn Precision Machining by actually doing it.

Butler Tech has a unique partnership with local businesses, offering students hands-on opportunities like:

- Internship
- Job co-op experiences
- Job shadowing

Certifications

- NIMS

College Credit Plus

- Earn up to 60 college credit hours for FREE



Student Organization

Precision Machining students participate in SkillsUSA, a student business organization which empowers members with a structured program that promotes citizenship, leadership, employability, technical and professional skills training. Students have the opportunity to compete at regional, state and national levels.

Your PASSION. Your PURPOSE. Your IMPACT.

Skills

Critical Thinking

Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.

Monitoring

Monitoring / Assessing performance of yourself, other individuals, or organizations to make improvements or take corrective action.

Operation and Control

Controlling operation of equipment or systems.

Personality

Realistic

People interested in this work like activities that include practical, hands-on problems and solutions. They do well at jobs that need:

- Attention to Detail
- Cooperation
- Dependability
- Independence
- Self-Control

Career Pathways

- CNC Operator
- Engineer
- Inspector
- Manufacturing Maintenance



"I love that there is a lot that you can do with these skills. When we graduate, we are prepared to do a wide variety of jobs."

Senior Student, *Precision Machining*

Discover Precision Machining at Butler Tech and pursue a career that's right for you.

Butler Tech connects high school students to career technical education in more ways than ever. Complete your traditional academic courses in half of each school day and fill the other half of your day with career-focused labs and on-the-job training. Each moment in a Butler Tech career technical program is a step toward building your future.



See your guidance counselor for application information.

ButlerTech.org
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