

LEARN *More*

about
career and technical
education



Ed
Northwest
Education
Services

Interested?

- 📞 Talk to your high school counselor
- 📞 Call us: 231.922.6273
- 📍 Visit us: 880 Parsons Rd, Traverse City
- 🌐 Browse the web: NorthwestEd.org

Precision Machining

A one- or two-year program, students gain experience and active learning in the machine tool industry. Manufacturing is on the up-and-up and the technical knowledge gained in this course of study will prove valuable to any individual seeking employment in the field.

Core Skills

- Practical shop mathematics
- Proper use/care of hand tools
- Safe operation of machinery
- Blueprint reading
- Geometric dimensioning & tolerancing
- Measurement & inspection
- Introduction to CAD/CAM/CNC

Future Career Options

- Machinist
- Machine operator
- CNC operator
- CNC programmer
- Industrial maintenance technician
- Tool and die maker
- Engineering technician
- Mechanical engineer

Certifications/Academic Credit

- Algebra II credit
- VPAA elective credit
- PASSES EDGE workplace safety certificate
- Postsecondary articulated credit
- Early college eligibility

Setting Students up for Success

Making connections with guest speakers, field trips, and taking advantage of job shadows, co-op and work experiences with local manufacturers give students a head start in the field of precision machining.

Leadership & Scholarship Opportunities

Club participation, competition and leadership can occur with Skills USA, MITES, National Technical Honor Society and Student Council.

21 Career & Technical Programs

Agriscience	Health Sciences
Auto Repair	Information Technology
Business Careers	Power Equipment
Collision Repair	Precision Machining
Construction Trades	Public Safety
Culinary Arts	Robotics & Automation
Early Education	Teacher Academy
Electrical Occupations	Web & App Development
Engineering Academy	Welding
Film & New Media	Writers Studio
Graphic Arts	

Student Support & Guidance

- Career Tech staff teach and reinforce positive work ethic in all students.
- Attendance and academic progress is monitored to guide students toward individual growth and career planning that will establish a pathway to a meaningful life.
- Seminars are provided on college planning, financial aid and scholarship opportunities.

Job Training & Experience

Career Tech programs offer all students a chance to:

- Gain hands-on training
- Use state-of-the-art technology
- Demonstrate leadership, workplace readiness and ethics
- Participate in internships, job shadows, work experience, or paid co-op experience