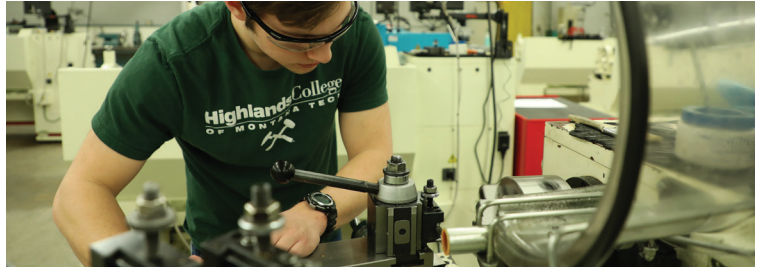


PRECISION MACHINING TECHNOLOGY, A.A.S. AND C.A.S.



The Precision Machining Technology program prepares you for a rewarding career in the precision manufacturing industry. You'll gain hands-on experience and develop a comprehensive skill set that employers demand. Our curriculum covers a wide range of essential topics, including:

- Operating conventional and CNC machines: Learn to use a variety of machine tools, from traditional lathes and mills to advanced Computer Numerical Control (CNC) equipment.
- Reading engineering drawings: Master the ability to interpret and analyze complex engineering blueprints.
- Using precision instruments: Become proficient in using a full range of precision measuring and inspection tools to ensure quality and accuracy.
- Programming with industry-standard software: Our state-of-the-art computer-aided manufacturing (CAM) lab features Mastercam software, where you will learn to program and operate our CNC equipment.

Program Options: A.A.S. vs. C.A.S.

We offer two flexible academic paths in Precision Machining Technology, allowing you to choose the one that best fits your career goals.

Machining Technology Associate of Applied Science (A.A.S.)

This two-year degree provides a broad and comprehensive training experience. The A.A.S. program is ideal for those who want to develop a complete skillset for all levels of the industry, from entry-level positions to more advanced roles like CNC programming, quality control, or even production management.

Machining Technology Certificate Program (C.A.S.)

Designed for a fast track to employment, the C.A.S. program can be completed in just two semesters. This program focuses on the core, hands-on skills required for a range of entry-level positions, allowing you to quickly enter the workforce and begin your career.

APPLYING IS EASY AND FREE.

Montana residents can apply for free at applymontana.mus.edu.

Nonresidents can apply for free at mtech.edu/applynow.



APPLY HERE!

PLAN YOUR NEXT ADVENTURE.

We offer personalized campus visits most weekdays. We're confident you'll love visiting our Highlands College campus in Butte, Montana, which offers scenic views with its close proximity to mountainous areas. The college is situated near the Highland Mountains, which provide a beautiful backdrop. Its proximity to the Northern Rockies and other national parks also contributes to the surrounding natural beauty. To prove it, we're offering a complimentary one-night hotel stay to all visitors traveling 100 miles or more! Learn more about availability and schedule your visit at mtech.edu/visit.



LEARN MORE

HIGHLANDS COLLEGE
OF MONTANA TECH

www.mtech.edu/machining

Contact: Nathan Whetsel | 406-496-3789 | nwhetsel@mtech.edu

CAREER PATHS

Graduates of the Precision Machining Program are employed as machinists, CNC machinists, tool and die makers, process quality control technicians, quality control inspectors, machine assemblers, machine tool designers, CNC programmers or field service representatives. Students who have completed their AAS in Machining Technology have the option to move into a 4-year business degree program.



\$57,700

median annual salary

(BLS, 2024)

HIGHLANDS COLLEGE
OF MONTANA TECH

WHERE DO OUR GRADUATES GO?



WHY STUDY PRECISION MACHINING HIGHLANDS COLLEGE?

- Classes taught by industry-experienced instructors
- A high-quality education for affordable tuition
- Preparation to work as a general machinist, CNC machinist, tool and die maker, quality control inspector, machine assembler, machine tool designer, and more



HANDS-ON LEARNING

- Hands-on experiences using industry-leading tools and equipment
- Instruction on how to operate conventional and computer numerical control equipment, precision measuring tools, and advanced machining operations