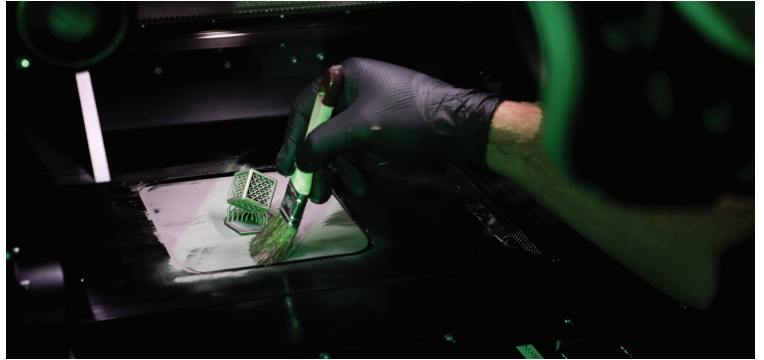


MECHANICAL ENGINEERING, B.S.



Montana Tech's Mechanical Engineering program offers students four areas of focus: nanotechnology, control systems, mechanical design, and welding. The department provides students with a hands-on education emphasizing strong laboratory experience, communication, and group projects.

Resources and Research

Students have access to numerous high-quality instructional and research laboratories, as well as other campus facilities. Faculty, who are experts in fundamental and applied research, guide students in mastering key concepts in math, science, and physics.

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, including a meeting with a faculty member. We're confident you'll love visiting our campus, which overlooks historic Uptown Butte. 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



MONTANA
TECHNOLOGICAL UNIVERSITY



Engineering
Accreditation
Commission

www.mtech.edu/mechanical-engineering

Contact: Dr. Rick LaDouceur | 406.496.4186 | rladouceur@mtech.edu



I decided to go to Montana Tech because I knew it was a great engineering school. I liked the small class sizes and hands-on learning. My sister graduated from Tech in the Business Department and had nothing but great things to say about her time, so I was sold. Not only is it a great school, but it's at a price you can't beat.

-Katelyn Rapp (Mechanical Engineering, '24),
Systems Engineer, Northrop Grumman

CAREER PATHS

Mechanical engineering is a rewarding and dynamic field that applies skills to design and manufacture a vast range of products, from nanoscale devices to spacecraft and machine tools. Mechanical engineers play a crucial role in bringing a product from its initial concept to the marketplace. The sustained popularity of this degree is a testament to its remarkable versatility.



\$102,320
median annual salary
(BLS, 2024)

MONTANA
TECHNOLOGICAL UNIVERSITY
MECHANICAL ENGINEERING

WHERE DO OUR GRADUATES GO?



WHY STUDY MECHANICAL ENGINEERING AT MONTANA TECH?

- Access to state-of-the-art research facilities including a world-class cleanroom facility with equipment for the creation and study of devices and materials enabled through nanotechnology
- Support for internships, independent student research, and professional networking
- One-on-one interactions with faculty who offer mentorship from class to career
- Preparation for in-demand and high-paying careers in aerospace, manufacturing, semiconductor, HVAC, petroleum, and mining fields



HANDS-ON LEARNING

Students in the mechanical engineering program at Montana Tech gain hands-on experience through a variety of high-tech learning opportunities, including course projects, student competitions, and research opportunities.

The department is home to three state-of-the-art research labs, where students and faculty conduct industry-leading research:

- Montana Tech Nanotechnology Laboratory: This lab focuses on the study and development of materials at the nanoscale, including projects related to creating materials for solar cells and water purification.
- Montana Tech Advanced Manufacturing: Researchers in this lab work on cutting-edge manufacturing processes, such as additive 3D printing of metal-based alloys.
- CHAR Lab (Carbon High-Temperature Advanced Research Laboratory): This lab focuses on applied research with real-world applications, including biomass processing for energy and developing technologies for chemical hazard removal.
- These labs perform industry-leading research from spray-on bandages and water purification to additive 3-D printing of metal-based alloys and biomass processing for energy applications.