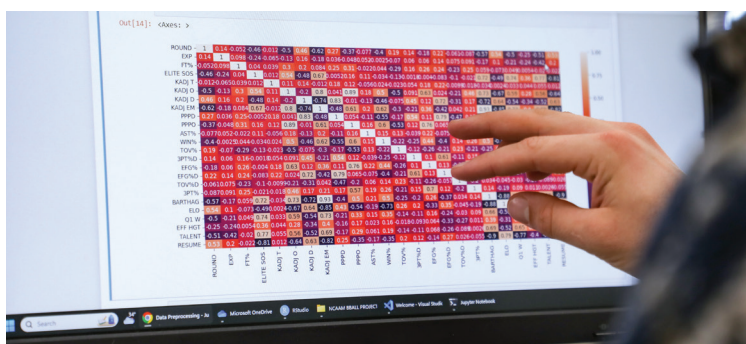
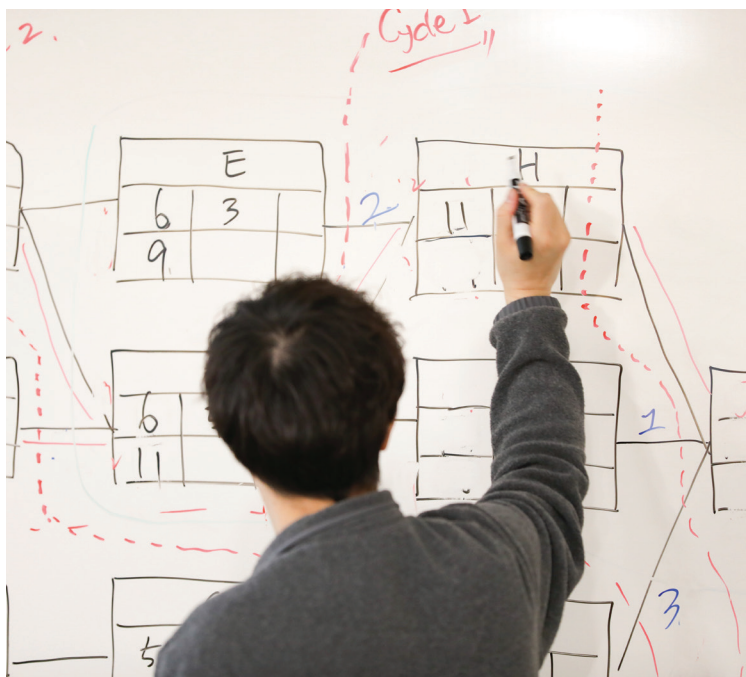


MATHEMATICAL SCIENCES, B.S.



Mathematics is the bedrock of all scientific disciplines. It provides the framework and language needed to describe, analyze, and predict natural phenomena. By using mathematical principles, scientists can create models, test hypotheses, and draw conclusions with precision and rigor.

Undergraduate Mathematics at Montana Tech

The mathematical sciences curriculum at Montana Tech is designed to give students a comprehensive understanding of the field. The program offers courses in both pure and applied mathematics. Pure mathematics focuses on abstract concepts and logical structures, while applied mathematics uses these concepts to solve real-world problems. This degree has three options: Pure Mathematics, Applied Mathematics and Statistics.

Dual Teaching Certificate Program

For students interested in teaching, Montana Tech offers a dual-enrollment program with the University of Montana Western for a secondary mathematics teaching certificate. This partnership gives aspiring educators a well-rounded education and the skills necessary to teach math at the high school level.

APPLYING IS EASY AND FREE.

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

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



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.



MONTANA
TECHNOLOGICAL UNIVERSITY

www.mtech.edu/mathematical-sciences

Contact: Dr. Laurie Battle | 406.496.4857 | lbattle@mtech.edu

CAREER PATHS

A mathematics degree equips students with strong analytical and problem-solving skills, which are highly valued by employers. Our graduates can pursue roles such as:

- **Actuary:** Actuaries use mathematics, statistics, and financial theory to assess risk. This is a very common and high-paying career path for math graduates.
- **Data Scientist:** Data scientists use analytical and programming skills to extract insights from complex data sets. This is one of the most in-demand and fastest-growing fields.
- **Financial Analyst:** Financial analysts guide businesses and individuals in investment decisions, utilizing quantitative analysis to manage financial programs.
- **Statistician:** Statisticians apply mathematical theories to collect, organize, and interpret data to solve real-world problems in various fields, including medical research, engineering, and government.
- **Operations Research Analyst:** These professionals use advanced mathematical methods to help organizations solve complex issues and make better decisions. A large number of operations research analysts work for the Department of Defense.

EARNING POTENTIAL

The rigorous training in the mathematical sciences at Montana Tech positions graduates for some of the highest salaries in the nation. According to the U.S. Bureau of Labor Statistics, the median annual wage for mathematicians and statisticians is significantly higher than the median for all occupations. The problem-solving skills and data-driven mindset developed in a math program are highly transferable, allowing graduates to command competitive salaries in both the private and public sectors.



\$104,350

median annual salary

(BLS, 2024)



8%

projected career growth

(2024-2034)

WHERE DO OUR GRADUATES GO?



Disney



NorthWestern
Energy



Montana Department of
LABOR & INDUSTRY



WHY STUDY MATHEMATICAL SCIENCES AT MONTANA TECH?

- Courses in statistics and theoretical and applied mathematics
- Small classes taught by dedicated professors
- One-on-one interactions with faculty who offer mentorship from class to career
- Preparation for in-demand careers in industry, research, or placement in graduate school



HANDS-ON LEARNING

Our program emphasizes hands-on experience through a variety of course projects and research opportunities. Students can access interdisciplinary learning and research across campus, utilizing state-of-the-art facilities to apply mathematical concepts to real-world problems.

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