DATA SCIENCE

MONTANA
TECHNOLOGICAL UNIVERSITY

Bachelor of Science in Data Science

Data scientists are some of the most sought-after professionals in the world today, and students will graduate with a future-proof skill set to excel in their chosen careers. Data science is a trans-disciplinary field that uses various statistical and computational methods combined with discipline-specific expertise to analyze, interpret, and visualize complex datasets. Scientists and analysts use a variety of tools and techniques including data mining, machine learning, and visualization to identify patterns, trends, and correlations. They work with a wide range of data types including structured (e.g. databases and spreadsheets) and unstructured (e.g. social media posts, images, and videos). Opportunities for careers exist in practically every discipline and the Bureau of Labor Statistics projects an *average job growth rate of 36% by 2031, higher than any other occupation.*

About the Program

Students earning a Bachelor of Science degree in Data Science will be able to:

· identify, formulate, and solve real-world problems using leading edge technology and computational tools
· analyze and interpret data using statistical, computational and/or mathematical methods
· effectively present results using data visualization tools
· communicate findings in non-technical language
· function on multidisciplinary teams

We also offer two options for a minor in Data Science. One is calculus based and the other is non-calculus based. The non-calculus based pathway has a reduced number of upper level math courses for those students whose majors do not require them. This option is ideal for students to gain credentials in data science regardless of their major discipline.

To Get Started

- Apply for Admission
  mtech.edu/applynow

- Apply for Financial Aid
  studentaid.gov/

- Apply for Scholarships
  mtech.edu/scholarships

- Reserve Housing
  mtech.edu/housing

- Register and prepare for classes!

For more information, visit mtech.edu/admissions

Return on Investment

Graduates will be prepared for immediate entry into the job market. U.S. News and World Report ranks Data Science as 2nd in Best Technology Jobs, 6th in Best STEM Jobs, and 8th in the 100 Best Jobs (2022). The **average national annual salary** is **$124,802** and **median annual salary** of **$120,000** (builtin.com, 2023).

Contact

Department of Mathematical Sciences
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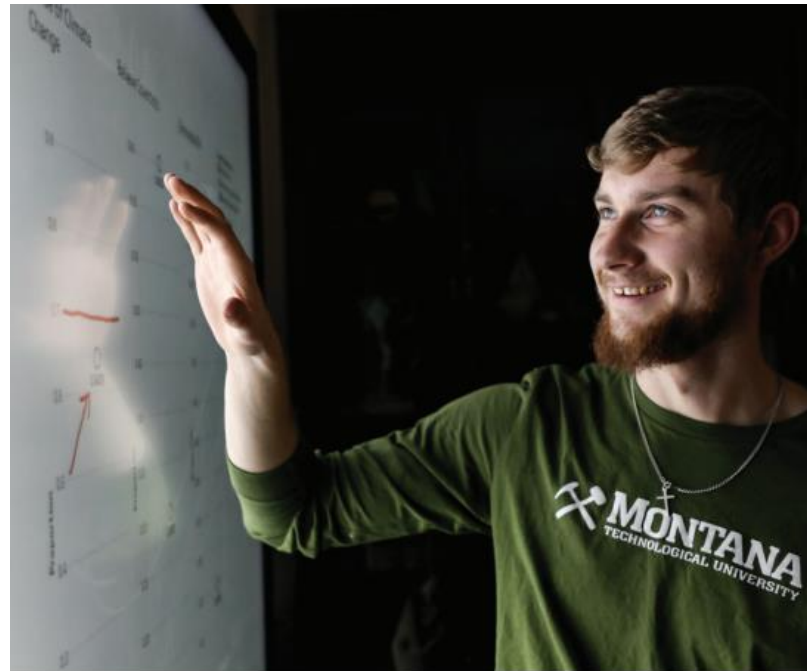hrisser@mtech.edu

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"I chose Montana Tech because of the high demand for graduates who have attended. I knew by becoming an Oredigger, I would be succeeding in life after college. Five years from now, I want to be a part of an organization, helping them develop into something bigger than they ever expected. I know the education I am receiving will help me do just that, and the level of support Tech has given me is one of the best parts about attending."
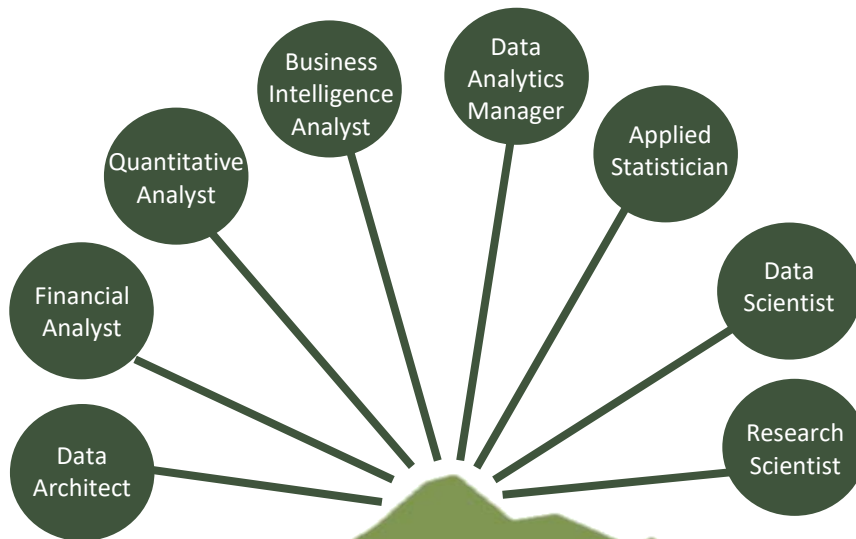
Sadiq Inuwa | Abuja, Nigeria

"I am appreciative of the hands-on approach along with the guidance of the faculty here as I learn about different data mining and data analysis techniques. It allows for a learning environment where I understand how the methods I am employing work and what their applications are."

Alyssa Hoffman | Chandler, Arizona

Career Prospects

Employers in practically every sector of today's society seek data scientists, and our curriculum is designed to prepare students for a variety of career paths that are virtually unlimited in scope. We encourage you to explore your educational career options as a Data Science major or pursue a minor in Data Science as an added value credential.

- Business Intelligence Analyst
- Data Analytics Manager
- Quantitative Analyst
- Applied Statistician
- Financial Analyst
- Data Scientist
- Data Architect
- Research Scientist