

The Value of a Mathematics Degree from Millersville University

BA or BS in Mathematics with a Statistics Option

The field of statistics is ever-growing and always in demand in a wide variety of subject areas and occupations. Statisticians provide critical information in making informed decisions and advancing research. Employment in statistics is projected to grow by 31% in the next ten years, compared to the average 5% for all occupations, with the median salary for a statistician being around \$95,000 in 2021 (U.S. Bureau of Labor Statistics).

Mathematics is important for so many different professions in business, health care, education, government, computer science, defense/security, artificial intelligence, economics and finance, engineering, and meteorology. A math major or minor can have a large positive impact on your marketability for job offers.

Careers in statistics involve analyzing data to answer questions through appropriate statistical techniques, as well as effectively communicating analysis results to those with and without statistical knowledge. Statisticians may be involved in the entire experimental process, including initial data collection and designing experiments, or may be consulted by researchers and other professionals on various research endeavors.

At Millersville, Mathematics majors with a Statistics option obtain a comprehensive working knowledge of statistical theory and methods, as well as the programming abilities to analyze data and produce the appropriate statistical analyses effectively and thoroughly.

Please see the other side of this page for a few examples of positions and companies where MU alumni with a BA or BS in Mathematics with a Statistics option have been employed.

You can schedule time to attend a class or two, speak with the department administration and faculty, and have lunch with a couple of current students. Please call (717) 871-7668 or email one of the following:

Math Department Chairperson: Dr. Tyrone Washington

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Assistant Chairperson: Dr. Kevin Robinson

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Millersville University students who graduate with a BA or BS degree in Mathematics with a Statistics option have been employed in the following positions and companies.

- Statistical Analyst
 - Mathematical Statistician
 - Programmer/Analyst
 - Statistician
 - Statistical Engineer
 - Database Analyst
 - Statistician
 - Quality Assurance Manager
 - Statistician
 - Biostatistician
 - Data Analyst
 - Statistician
 - Manager of Marketing Info & Analysis
 - Statistician
 - Principal Statistical Data Analyst
 - SAS Report Writer
 - Business Data Analyst
 - Statistician
 - Associate Data Review Scientist
- Lincoln Financial Group
 - National Cancer Institute
 - Westfield Insurance Group
 - Milliman, Inc.
 - Corning Inc.
 - Moody Analytics
 - The Merck Company Foundation
 - TE Connectivity
 - Institute for Defense Analysis
 - US Bioscience
 - Pennsylvania Patient Safety Authority
 - U.S. Census Bureau
 - The Hershey Company
 - Glaxo Smith-Kline
 - Educational Testing Service
 - PA Higher Education Assistance Agency
 - The Vanguard Group
 - Disney
 - Eurofins Lancaster Laboratories