

# The Value of a Mathematics Degree from Millersville University

## **BS in Mathematics with an Applied Math Option**

Applied Math majors are in high demand and have a strong job outlook as our world and economy are changing. The job growth is predicted to be 29% from 2021 to 2031 for math occupations per the US Bureau of Labor and Statistics. Math majors also can expect higher than average salaries.

Applied math graduates help organizations understand change, calculate risks and solve problems as the course of study includes numerical analysis and optimization theory for problem solving.

The BS in Mathematics with an Applied Math Option program is designed to prepare students for jobs applying mathematics to other fields or for graduate study in mathematics. Careers for Applied Math majors may include work in actuarial science, aerospace engineering, chemical engineering, computer science, data analytics, environmental analysis, finance industry and statistics, health care clinical research, mechanical engineering, and sports analytics. Artificial intelligence and internet security have come to the forefront of growing fields.

An applied math major or minor can have a large positive impact on your marketability for job offers. Students can be nominated for a free membership to Society for Industrial and Applied Mathematics (SIAM). As a benefit, members can participate in a virtual job fair.

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Millersville University students who graduate with a BS degree in Mathematics with an Applied Math Option have been employed in quite a variety of positions and companies. The following is small selection of these positions.

Computer Inventory	Bristol-Myers Squibb Company
Computer Systems Analyst	US Navy
Consultant Programmer/Meteorologist	Geographics
Dir. Energy Consumption Div.	US Government Department of Energy
Director of Logistics	Frito-Lay, Inc.
Dir. of Sub-orbital Project Operations	NASA
Industry Specialist	Internal Revenue Service
Operation Research Analyst	US Government
Project Manager Mathematician	NASA Ames Research Center
Quality Control & Safety Manager	Obrist Americas Inc.
Research Scientist	NOAA
Senior Test Engineer	Google
Supply Chain Project Specialist	Lutron Inc.
Systems Analyst	Wells Fargo Foundation
Technical Systems Analyst	Lancaster General Hospital

MU students who graduated with a degree in Mathematics have been accepted at top graduate schools including:

Case Western Reserve University  
Drexel University  
Michigan State University  
Rutgers University  
Temple University

Colorado State University  
Lehigh University  
Moravian University  
Syracuse University  
University of Pittsburgh

Cornell University  
Miami University (Ohio)  
North Carolina State University  
Texas A&M University  
University of Utah

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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 [tryone.washington@millersville.edu](mailto:tryone.washington@millersville.edu)

Assistant Chairperson: Dr. Kevin Robinson [kevin.robinson@millersville.edu](mailto:kevin.robinson@millersville.edu)

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