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.

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
Computer Systems Analyst
Consultant Programmer/Meteorologist
Dir. Energy Consumption Div.
Director of Logistics
Dir. of Sub-orbital Project Operations
Industry Specialist
Operation Research Analyst
Project Manager Mathematician
Quality Control & Safety Manager
Research Scientist
Senior Test Engineer
Supply Chain Project Specialist
Systems Analyst
Technical Systems Analyst

Bristol-Myers Squibb Company
US Navy
Geographics
US Government Department of Energy
Frito-Lay, Inc.
NASA
Internal Revenue Service
US Government
NASA Ames Research Center
Obrist Americas Inc.
NOAA
Google
Lutron Inc.
Wells Fargo Foundation
Lancaster General Hospital
MU students who graduated with a degree in Mathematics have been accepted at top graduate schools including:

<table>
<thead>
<tr>
<th>Case Western Reserve University</th>
<th>Colorado State University</th>
<th>Cornell University</th>
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<tbody>
<tr>
<td>Drexel University</td>
<td>Lehigh University</td>
<td>Miami University (Ohio)</td>
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<tr>
<td>Michigan State University</td>
<td>Moravian University</td>
<td>North Carolina State University</td>
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<td>Rutgers University</td>
<td>Syracuse University</td>
<td>Texas A&amp;M University</td>
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<tr>
<td>Temple University</td>
<td>University of Pittsburgh</td>
<td>University of Utah</td>
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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
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