

# What Can I Do With a Major in...

# Mathematics?

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The mathematics program at GMC is designed to develop an understanding of inter-relationships within mathematics and to expose students to the interplay of problem solving and theory across a broad spectrum of mathematical sciences. The program also incorporates the use of technology in mathematics instruction. Students use graphing calculators, computer algebra systems and the Internet to explore the concepts and applications of mathematics.

## Skills/Competencies Associated with Mathematics Majors:

- Good concentration and accuracy
- Skill with numbers
- Ability to make good judgments
- Strong quantitative skills
- Ability to make keen observations
- Ability to conduct and explain research
- Strong skills in memorization
- Ability to think abstractly

## Related Occupations:

Accountant	Cryptographer/Cryptologist	Numerical Analyst
Actuary	Data Control Administrator	Operations Research Analyst
Aerospace Engineer	Data Processing Manager	Pharmacologist
Airplane Pilot	Database Manager	Physicist
Air Traffic Controller	Demographer	Pollution Meteorologist
Analyst	Drafter	Production Manager
Applications Programmer	Econometrician	Production Support Specialist
Applied Science Technologist	Economist	Psychometrician
Appraiser	EDP Auditor	Public Health Statistician
Architect	Educator	Purchasing/Contract Agent
Artificial Intelligence	Electrician	Quality Assurance Analyst
Programmer	Employee Relations Specialist	Rate Analyst
Astronomer	Engineer	Research Analyst
Bank Officer	Engineering Lab Technician	Risk & Insurance Specialist
Banking/Credit/Investment	Environmental Technologist	Risk Analyst
Manager	Estate Planner	Robotics Programmer
Biometrician/Biostatistician	External Auditor	Satellite Communications
Cartographer	Financial Auditor	Specialist
Commodity Manager	Financial Consultant	Software Development
Compensation/Benefits	Financial Manager	Specialist
Administrator	Geologist	Software Support Specialist
Computer Consultant	Hydrologist	Statistician
Computer Engineer	Information Scientist	Surveyor
Computer Facilities Manager	Inventory Control Specialist	Systems Analyst
Computer Installation & Test	Investment Banker	Systems Engineer
Specialist	Market Research Analyst	Teacher:
Computer Marketing/Sales	Mathematician	Math/Science/Computers
Computer Programmer	Metallurgist	Technical Support
Computer-Aided Design	Meteorologist	Representative
Technician	Mortgage Researcher	Underwriter
Consumer Loan/Credit Officer	Network Programmer	Urban Planner
Credit Manager	Nuclear Scientist	Value Engineer

\*This is only a partial list and not meant to limit you. Come to Career Services to explore your options further.

### **Strategies:**

- Look into experiential learning opportunities (internships, coop, mentoring, externships, volunteer, etc.)
- Become a tutor on campus
- Enhance knowledge of community problems
- Read journals and articles in fields of interest
- Gain experience as a student leader/worker on campus
- \*Research career fields to learn what type of degree and subject areas are most appropriate
- Conduct informational interviews with people in fields of your interest

### **Resources:**

American Mathematical Society  
[www.ams.org](http://www.ams.org)

Mathematical Association of America  
[www.maa.org](http://www.maa.org)

Association for Women in Mathematics  
[www.awm-math.org](http://www.awm-math.org)

Society for Industrial & Applied Mathematics  
[www.siam.org](http://www.siam.org)

The College Central Network  
[www.collegecentral.com/gmc](http://www.collegecentral.com/gmc)

Math Jobs  
[www.mathjobs.org](http://www.mathjobs.org)

O\*NET OnLine  
<http://online.onetcenter.org>

TechnoCentral  
[www.technocentral.com](http://www.technocentral.com)

Occupational Outlook Handbook  
[www.bls.gov/oco](http://www.bls.gov/oco)

PH.Ds.org  
[www.phds.org](http://www.phds.org)

Careers in Math  
[www.coolmath.com/careers.htm](http://www.coolmath.com/careers.htm)

Careers in Applied Mathematics  
[www.siam.org/careers/thinking.php](http://www.siam.org/careers/thinking.php)

The American Institute of Physics  
[www.aip.org](http://www.aip.org)

Plus Magazine  
<http://plus.maths.org>

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**Gwynedd-Mercy College**  
**Career Services**  
215-646-7300, ext: 230  
[careerservices@gmc.edu](mailto:careerservices@gmc.edu)  
[www.gmc.edu/students/careerservices](http://www.gmc.edu/students/careerservices)