

What can I do with this major?

Mathematics

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

Association for Women in Mathematics
www.awm-math.org

The College Central Network
www.collegecentral.com/gmc

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

Occupational Outlook Handbook
www.bls.gov/oco

Careers in Math
www.coolmath.com/careers.htm

The American Institute of Physics
www.aip.org

Mathematical Association of America
www.maa.org

Society for Industrial & Applied Mathematics
www.siam.org

Math Jobs
www.mathjobs.org

TechnoCentral
www.technocentral.com

PH.Ds.org
www.phds.org

Careers in Applied Mathematics
www.siam.org/careers/thinking.php

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

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