

WHAT CAN I DO WITH A MAJOR IN MATHEMATICS

CAREER INFORMATION FOR MAJOR IN MATHEMATICS

This handout provides sources of career information for **Math** Majors. There are different career options available in the field of **Math**. Below is a sample of some of the types of positions for graduates with major in **Math**. Please note that you might require further education and experience for some positions.

SKILLS DEVELOPED BY MATHEMATICS STUDENTS

- Critical thinking
- Time management
- Reading comprehension
- Manipulate precise and intricate ideas
- Statistical Analysis
- Communication (verbal, written, listening)
- Advanced reasoning to identify, analyze and apply basic principles to problems
- Complex problem solving
- Research skills
- Follow complex reasoning
- Abstract reasoning
- Attention to detail
- Mathematical modeling
- Logical and quantitative reasoning
- Differential and integral calculus
- Data analysis and interpretation

CAREERS IN MATHEMATICS

- Statistician
- Actuary
- Cryptographer
- Animator/Animatronics
- Astronaut/Pilot
- Biomechanic Consultant
- Biomedical Researcher
- Cabinet Minister
- Financial Analyst
- Geophysical Model Designer
- Aircraft Designer
- Agriculture Researcher
- Cryptographer/Systems Security
- Econometrician
- Information Technologist
- Lawyer/Paralegal
- Manager
- Manufacturing Engineer
- Medical practitioner/researcher
- Meteorologist
- Musical Composer
- Numerical Analyst
- Operations Researcher
- Physicist
- Research Scientist
- Risk Analyst
- Software Engineer
- Market Researcher/Analyst
- Engineering
- Computer Science
- Physics
- Economics
- Educator (primary, secondary, post-secondary)
- Civil Engineer/City Planner
- Consultant
- Environmental Consultant
- Health Care Analyst
- Systems Programmer/Analyst
- Research Analyst
- Telecommunications engineer
- Mathematician

EXAMPLES OF EMPLOYERS WHO HIRE MATHEMATICS GRADUATES

- Schools
- Universities
- Insurance Companies
- Government Agencies
- Computer/ hardware/ software/ telecommunications companies
- Internet Security Companies
- Credit Card Companies
- Banks and Financial Institutions
- Consulting Firms
- Aerospace Companies
- Banks/Investment Firms
- Health/Medical/Pharmaceutical Firms
- Risk-Management Departments of many major companies
- Business Institutions
- Research & Development Firms
- Biotechnology Firms
- Engineering/Manufacturing Firms

MATHEMATICS JOBS

Indeed

<http://ca.indeed.com/jobs?q=mathematics&l=>

Monster

<http://jobsearch.monster.ca/Search.aspx?q=mathematics&cy=ca&lid=224>

CareerBeacon

<http://www.careerbeacon.com/search.html?q=mathematics>

Workopolis

<http://www.workopolis.com/EN/job-search/jobs-mathematicsstatistics?fid=62712416&ak=&ek=&lk=&nk=&l=&c=&j=&e=&lg=en>

WowJobs

<http://www.wowjobs.ca/BrowseResults.aspx?q=Mathematics&l=&t=30&s=r&sr=25&si=A&Dup=>

Talent Egg <http://www.talentegg.ca>

MATHEMATICS ASSOCIATIONS

Canadian Mathematical Society

<http://cms.math.ca/>

Canadian Applied and Industrial Mathematics Society

<http://www.caims.ca/>

Canadian Society for the History and Philosophy of Mathematics

<http://www.cshpm.org/>

Atlantic Association for Research in the Mathematical Sciences

<http://www.aarms.math.ca/>

Canada's Mathematical Community

<http://www.math.ca/Community/Canada/>

OTHER RESOURCES (BOOKS)

One hundred one careers in mathematics: Andrew Sterrett

Careers in Mathematics: Institute for Career Research

Great Jobs for Math Majors: Stephen E. Lambert & Ruth J. DeCotis

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