



CAREER PATHFINDERS

MATHEMATICS DEGREE

Mathematics graduates have many skills that are valuable to employers, such as the ability to recognize, analyze and interpret data, and the ability to make sound judgements and solve quantitative problems. A mathematical background will provide a basis for entry into almost any technological field. Graduates can search for employment in areas related to finance, computers, insurance, telecommunications, economics, or a number of other fields. It also provides the preparation necessary for those entering Dental, Law, Medical and Veterinary Schools.

Career Options / Job Titles

(SOME MAY REQUIRE ADDITIONAL EDUCATION AND/OR TRAINING)

- Accountant (NOC 1111)
- Actuary (NOC 2161)
- Air Traffic Controller (NOC 2272)
- Applications Programmer (NOC 2174)
- Astronomer (NOC 2111)
- Banking/Credit/Investment Manager (NOC 0122)
- Biostatistician (NOC 2161)
- Contract Administrator(NOC 1225)
- Cryptographer (NOC 2161)
- Data Control Administrator (NOC 1211)
- Demographer (NOC 2161)
- Econometrician (NOC 4162)
- Inventory Control Specialist (NOC 1215)
- Market Research Analyst (NOC 4163)
- Meteorologist (NOC 2114)
- Public Health Statistician (NOC 2161)
- Quality Assurance Analyst (NOC 2171)
- Technical Writer (NOC 5121)
- Underwriter (NOC 1114, 1313)

Skills Developed by Mathematics Majors

- Analytical skills
- Clear, logical thinking
- Time management
- Organizational skills
- Teamwork skills and the ability to work independently

Employers / Areas of Employment

- Auditing/Accounting Firms
- Aerospace Industry
- Consulting Firms
- Educational Institutions
- Financial Industry
- Government Agencies/Departments
- Insurance Industry
- International Organizations
- Investment Industry
- Marketing/Public Relations Firms
- Media/Publishing/Telecommunications Industries
- Military
- Private Practice
- Research Institutes
- Software/Hardware Developers
- Trade/Professional Associations

Professional Associations and Websites

- Mathematics Fact Sheet <http://uwinnipeg.ca/factsheets/docs/factsheet-mathematics.pdf>
- NOC Codes <http://www5.hrsdc.gc.ca/NOC/English/NOC/2011/Welcome.aspx>
- Association for Women in Mathematics <https://sites.google.com/site/awmmath/home>
- American Math Society <http://www.ams.org/careers/>
- Canadian Mathematical Society <http://cms.math.ca/>
- CMS Employment <http://cms.math.ca/Employment/>
- Math-Jobs.com http://www.all-acad.com/Jobs/Mathematics_Statistics/
- Math Jobs.org <http://www.mathjobs.org/jobs>
- Statistical Society of Canada <http://www.ssc.ca/en/jobs>
- Canadian Applied and Industrial Mathematics Society <http://www.caims.ca/>
- National Council of Teachers of Mathematics <http://www.nctm.org/>