What to do with a degree in

**GENERAL MATHEMATICS**

The General Mathematics program explores the various branches of mathematics and their applications in the real world. As a mathematician, you’ll have global opportunities to work in areas such as financial investments, computer animation, investment advisors and more.

**Key Skills & Knowledge**

- **Problem Solving** - Develop research models and establish hypotheses using logical thinking. Cause, effect and forecasting; Measure distances, sizes and relationships
- **Analysis and Evaluation** - Perform calculations and analyze probabilities; Attention to detail; Conceptualize and synthesize complex numbers, formulae and statistics;
- **Communication** - Share research findings with both technical and non-technical audiences through oral presentations and written communication
- **Technical** - Design and use computer simulations
- **Analytical** - Use of Critical and creative thinking to evaluate ideas and see relationships among factors; identifying pattern, structure and relationship identification
- **Research** - Survey design and analysis; Gather, analyze and synthesize data

**Sample Job Titles**


Some of these roles may require further training, certification or education. Check out the Alberta Government’s occupational profiles for salary info and more detail: [alis.alberta.ca/occinfo](alis.alberta.ca/occinfo)

**Need help deciding what to do?**

Formal Career Assessments like the Strong Interest Inventory and the Myers Briggs Type Indicator can be helpful tools for your career development. Request an assessment via CareerLink
Associations provide an opportunity for continued professional development. Many also offer networking opportunities and other events for their members.

- Association for Women in Mathematics: [www.awm-math.org](http://www.awm-math.org)
- American Mathematical Society: [ams.org](http://ams.org)
- Association of Science and Engineering Technology Professionals of Alberta (ASET): [aset.ab.ca](http://aset.ab.ca)
- American Statistical Association (ASA): [amstat.org](http://amstat.org)
- Canadian Applied and Industrial Mathematics Society: [www.caims.ca/](http://www.caims.ca/)
- Canadian Institute of Actuaries: [www.cia-ica.ca/](http://www.cia-ica.ca/)
- Canadian Mathematical Society: [cms.math.ca/](http://cms.math.ca/)
- Casualty Actuarial Society: [casact.org/](http://casact.org/)
- Fields Institute of Research in Mathematical Sciences: [fields.utoronto.ca](http://fields.utoronto.ca)
- Mathematical Association of America: [www.maa.org](http://www.maa.org)
- Pacific Institute for the Mathematical Sciences: [pims.math.ca](http://pims.math.ca)
- Statistical Society of Canada: [www.ssc.ca/](http://www.ssc.ca/)
- Statistics Canada: [www.statcan.gc.ca](http://www.statcan.gc.ca)

**Additional Resources**

101 Careers in Mathematics by Andrew Sterrett
Careers for Number Crunchers and Other Quantitative Types by Rebecca Burnett
Careers In Mathematics by Margaret Menzin & Robert Goldman
Great Jobs for Math Majors by Stephen Lambert

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**Career Services**

**YOUR FUTURE STARTS HERE**

- Career Planning
- Job Search Support
- Resume Reviews
- Career Workshops
- Online Job Postings
- Career Fairs
- Networking Events
- Information Sessions & much more!

**Connect with us:**

MacEwan Student Centre, Room 188
T: 403.220.8020
E: csstdnt@ucalgary.ca
CareerLink: [ucalgary.ca/careers](http://ucalgary.ca/careers)

Facebook: [ucalgarycareers](http://ucalgarycareers)
Twitter: @HireUCalgary

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**Job Boards**

Indeed: [https://ca.indeed.com/](https://ca.indeed.com/)
Math-jobs.com: [www.math-jobs.com](http://www.math-jobs.com)
Eluta: [www.eluta.ca](http://www.eluta.ca)
CareerLink: [careerlink.ucalgary.ca](http://careerlink.ucalgary.ca)

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**Faculty Contact**

Math Sciences 476
T: 403.220.5203
E: [info@math.ucalgary.ca](mailto:info@math.ucalgary.ca)
W: [math.ucalgary.ca/](http://math.ucalgary.ca/)
W: [ucalgary.ca/admissions/programs](http://ucalgary.ca/admissions/programs)

**Student Clubs**

Society of Undergraduate Mathematics: [math.ucalgary.ca/scum/home](http://math.ucalgary.ca/scum/home)
**Aligned Majors:**

Actuarial Science, Mathematics