

What can I do with my studies in Mathematics & Statistics

Depending on my interests and experience, possible job titles:

- Actuary
- Statistician
- Underwriter
- Mathematician
- Research Association
- Investment Analyst
- Substitute Teacher
- Tutor

The information in this handout will provide you with ideas as to some typical careers/jobs that are associated with your degree, along with alternative careers that may not be as directly related to what you have studied. This by no means implies that these jobs are the only options you have. These careers are just samples of what you can do if you have the appropriate skills and experience.

Possible job titles outside my area of study:

Business

- Management Consultant
- Benefits Officer
- Marketing Specialist
- Quality Control / Quality Assurance Specialist
- Public Relations Consultant
- Job Analyst
- Human Resources Specialist
- Entrepreneur / Venture Capitalist

Education

- Academic Advisor
- Educator / Trainer
- Alumni Relations Officer

Other

- Laboratory Assistant
- Administrative Assistant
- Data Management Administrator

Communication

- Writer / Author / Columnist
- Editor
- Reporter / Correspondent
- Journalist
- Broadcaster
- Technical Writer

With additional education/ training or experience:

- Teacher / Lecturer / Professor
- Accountant
- Financial Auditor
- Financial Manager
- Banking Manager
- Aerospace Engineer
- Insurance Agent

Areas of Employment:

- Accounting Firms
- Aerospace Companies
- Bank & Trust Companies
- Computer Consulting Firms
- Communication Industries
- Consulting Firms
- Educational Institutions
- Electrical Equipment Industries
- Environmental Companies
- Government Agencies
- Insurance Companies
- Manufacturing Firms
- Market Research Firms
- Military
- Pharmaceutical Companies
- Research Institutions
- Resource & Utility Companies
- Software Design Industries
- Standard Hardware Firms
- Statistics Canada
- Contract Research Organizations

Related Skills:

- Apply individual prolonged effort to a problem
- Imagination and creativity
- Logical, systematic thought processes
- Patience
- Persistence
- Appreciation for challenges
- Communicate ideas clearly
- Capable of working alone and with others
- Problem solving
- Organizational skills
- Critical thinking
- Computer literacy
- Logical thinking
- Efficient
- Testing skills
- Probability theory and standard statistical methods and applications
- Understand concrete and mathematical concepts
- Systemizing skills
- Advanced quantitative skills
- Ability to analyse & interpret data
- Numerical computation

Associations & Websites:

- Association mathématique du Québec
<https://www.amq.math.ca/>
- Canadian Applied and Industrial Mathematics Society
<https://caims.ca/>
- Canadian Mathematical Society
<https://cms.math.ca/>
- Canadian Institute of Actuaries
<http://www.cia-ica.ca/>
- American Mathematical Society
<https://www.ams.org/>
- American Statistical Association
<http://www.amstat.org/>
- Mathematical Association of America
<https://www.maa.org/>
- Society for Industrial and Applied Mathematics
<https://www.siam.org/>

If you're feeling a bit lost and you're curious about your future career options, we encourage undergrads to register for the [Undergrad Hive](#) career exploration program. Feel free to come by the CAPS office to make an appointment with a career advisor to discuss your career options and job search strategies.