The Mathematics & Statistics Department at McMaster University is an active and dynamic home to over 30 faculty members, 16 post-doctoral fellows and 80 graduate students from around the world. We have core strengths in Algebra and Number Theory, Analysis and Partial Differential Equations, Financial Mathematics, Geometry and Topology, Industrial Mathematics, Mathematical Biology, Mathematical Logic, Probability and Statistics.

The Department emphasizes a student-centered approach to teaching by offering a curriculum that is rich with opportunities for cooperative education, experiential learning, and undergraduate research. Students who take courses in mathematics and statistics enjoy the following aspects of our curriculum:

- Broad-based, interdisciplinary courses
- Lectures by world recognized leaders in research and teaching
- Program flexibility, which allows opportunity to complete a minor or joint Honours
- Availability of courses in actuarial mathematics and applied statistics
- An active undergraduate society in Mathematics and Statistics
- Opportunities for paid undergraduate summer research with faculty members
- Paid and volunteer teaching opportunities through our Math Help Centre and Outreach program
- Students in their final year also have the opportunity to conduct independent research under the supervision of a faculty member as part of an Honours thesis.

CO-OP OPPORTUNITIES

The Department of Mathematics & Statistics offers co-op versions of all Honours programs beginning in Level III. These are five-year programs that include two 8-month work terms. Employment rates in these programs are excellent, with students completing work terms in a variety of sectors including:

- Bioinformatics
- Experimental design and data analysis
- Imaging
- Information technology
- Mathematical finance

FACILITIES

The innovative design of the James Stewart Centre for Mathematics facilitates spontaneous learning opportunities, featuring an integrated teaching, research and outreach centre.
POSSIBLE CAREERS

Employers increasingly appreciate that mathematical training produces graduates with strong analytical and problem solving skills that are extremely useful and immediately transferable to a range of fields. In addition, with a strategic choice of electives, graduates of the Honours Mathematics & Statistics program are well-prepared for entry into medical school, education, law school and other professional programs including Actuarial Science and Master’s of Financial Mathematics. Our graduates have found careers in:

- Actuarial Science
- Banking
- Commerce
- Data mining
- Finance
- Stock Market Analysis
- Forecasting
- Image Processing
- Insurance
- Medical Science
- Mathematics
- Statistics
- Medicine
- Teaching
- Research Institutes
- Image Processing

CONTACT INFORMATION

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HH, Room 218

LEVEL II PROGRAMS

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<td>Honours Biology and Mathematics</td>
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<tr>
<td>Mathematical Sciences</td>
<td>(B. Sc.)</td>
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**ADMISSION REQUIREMENTS**

Enrollment in this program is limited and possession of the published minimum requirements does not guarantee admission. Admission is by selection but requires, as a minimum, completion of any Level I program with a Grade Point Average of at least 5.0 including:

- 3 units from MATH 1A03, 1L53, 1X03, 1Z23
- 3 units from MATH 1AA3, 1LT3, 1XX3, 1ZB3 with a grade of at least C+
- 3 units from MATH 1B03, 1C23

**ADMISSION NOTES**

Completion of any Level II program with a Grade Point Average of at least 5.0 including:

- 3 units from MATH 1A03, 1L53, 1X03, 1Z23
- 3 units from MATH 1AA3, 1LT3, 1XX3, 1ZB3 with a grade of at least C+
- 3 units from MATH 1B03, 1C23

**ADMISSION REQUIREMENTS**

Enrollment in this program is limited and possession of the published minimum requirements does not guarantee admission. Selection is based on academic achievement but requires, as a minimum, completion of any Level I program with a Grade Point Average of at least 5.0 including:

- 3 units from MATH 1A03, 1L53, 1X03, 1Z23
- 3 units from MATH 1AA3, 1LT3, 1XX3, 1ZB3 with a grade of at least C+
- 3 units from MATH 1B03, 1C23
- 3 units from the Sciences I Course List

**SCIENCE I COURSE LIST**

- ASTRON 1F03, BIOLOGY 1A03, 1M03, BIOPHYS 1S03, CHEM 1A03, 1AA3, ENVIRSC 1C03, 1GB3, GEOG 1HA3, 1HB3, MATH 1A03, 1AA3, 1B03, 1L33, 1LT3, 1MP3, MEDPHYS 1E03, PHYSICS 1A03, 1AA3, 1B03, 1C23, PSYCH 1F03, 1X03, 1X55, SCIENCE 1A03

MATH 1B03 may be a prerequisite for upper level Computer Science and Mathematics courses.