

School of Mathematics and Statistics



WELCOME!

- One of the largest programs in Faculty of Science.
- One of only three Bachelor of Mathematics programs in Canada.
- Over 15 program streams to choose from.
- Common core in first and second year.
- Provides foundation for broad range of careers or further academic pursuits.

Overview of Programs

- GENERAL (15 credits)
 - Mathematics
 - Statistics
 - Computer Mathematics
- HONOURS (20 credits)
 - Mathematics
 - Specialization in Stochastics
 - Statistics
 - Concentration in Actuarial Science
 - Computational and Applied Mathematics and Statistics
 - Combined programs
 - Computer Science
 - Economics
 - Physics (B.Sc. 21.5 credits)
- FAST TRACK (20 credits: B.Math + M.Sc)
 - Mathematics
 - Statistics
- Co-op option available for all Honours programs.

Core Courses— General

- First year:
 - MATH 1007/2007 (Elementary Calculus I/II)
 - MATH 1107/2107 (Linear Algebra I/II)
 - MATH 1800 (Introduction to Mathematical Reasoning) [Dr. Fodden]
- Second year:
 - MATH 2008 (Intermediate Calculus)
 - STAT 2507 (Introduction to Statistical Modeling I)
 - plus other required degree specific courses

Core Courses – Honours

- First year:
 - **MATH 1002** (Calculus and Introductory Analysis I) [Dr. Starling]
 - **MATH 1102** (Algebra I) [Dr. Fodden]
 - MATH 1800 (Introduction to Mathematical Reasoning) [Dr. Fodden]
- Second year:
 - **MATH 2000** (Calculus and Introductory Analysis II)
 - **MATH 2100** (Algebra II)
 - MATH 2454 (Ordinary Differential Equations)
 - STAT 2559 (Basics of Statistical Modelling)
 - STAT 2655 (Introduction to Probability with Applications)

Full year courses

Questions about Course Material?

- Professor
- Teaching Assistants (TAs)
- Classmates
- Learning Assistance Coordinator (LAC) – Mr. Kyle Harvey
- Math Tutorial Centre (MTC)
- Math and Stats Learning Assistance Program (MS-LAP)

Academic Resources

Math Tutorial Centre (MTC) 3422 HP

- Open M-F starting Sept 21st.
- Great place to study.
- TAs available from 10am-4pm (M-Th) and 11am-3pm (F)
- First year honours students receive priority with Kyle. (M-Th 1030am-130pm)

Mathematics and Statistics Learning Assistance Program (MS-LAP)

Coordinator: **Kyle Harvey**

Utilizes new technologies to offer first year students additional resources in the form of online video solutions to suggested homework exercises. Log into CuLearn to view content related to MATH 1002, MATH 1102, and MATH 1800.

President: Omar Rigg

Vice-President: Spencer Secord



Carleton University
Math Society

How to reach us:

- Email: cumathsoc@gmail.com
- Facebook page: <https://www.facebook.com/groups/CUMathSoc/>

Administrative Assistant: **Ms. Tracie Barkley**

- `tracie.barkley@carleton.ca`
- ext: 1958

Undergraduate Advisor: **Mr. Gary Bazdell**

- `gbazdell@math.carleton.ca`
- ext: 2150

School Administrator: **Mr. Kevin Crosby**

- `kevin.crosby@carleton.ca`
- ext: 2152

Addelman-Semple Resource Centre—Math Library (HP 4317)

- Open daily.
- Quiet place to meet and study.



HP 4317

Computer Labs

- Available for general use outside of scheduled (posted) lab times.
- Mathematical and statistical software available including:
MATLAB, Maple, Minitab, SAS, Splus



HP 4385 and HP 3393

Awards and Scholarships

All B.Math students are automatically considered each year for the following awards:

- Paul R. Beesack Memorial Scholarship (first year)
- L.N. Wadlin Scholarship
- Helga H. Schirmer Scholarship in Mathematics
- Douglas K. Dale Scholarship in Statistics
- Richard J. Semple Memorial Award (third or fourth year)
- Mathematics and Statistics Bursaries (need based)

TOTAL VALUE: > \$20,000

Summer Research Opportunities

First year: Dean's Summer Research Internship (DSRI)

Second year and above: NSERC Undergraduate Summer Research Award (USRA)

Opportunity to:

- Work with a faculty member over the summer.
- Explore more deeply a particular area of interest.
- Experience what research in mathematics and statistics is like.
- Get paid!!

Application: early Winter.

Putnam Mathematics Competition

Saturday Dec. 1, 2018

- Coordinators: Dr. Momeni and Dr. Amundsen.
- Open to all undergraduates.
- Two parts, 6 questions each.
- Preparation sessions start mid-late Sept.
- Interested? Look for email soon.

- Team and individual prizes
 - top five: \$ 2,500
 - next ten: \$ 1,000
 - top team: \$ 25,000
 - graduate scholarships

Dr. Paul Mezo
Director

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Dr. David Amundsen
Associate Director

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