



Application Guidelines

Accelerated Mathematics Studies

Application Deadlines

- Applications to the Department of Mathematics & Statistics start early October for Ontario secondary school applicants, mid-September for all others.
- You should apply by February 1st for priority consideration
- Final deadline for applications is normally June 1st
- Deadline for submission of Written Personal Statement and Mathematical Activities Portfolio and guaranteed consideration: February 1. Documents will continue to be accepted after this deadline, however admission consideration will be subject to space availability.

About the Accelerated Mathematics Studies stream

The Accelerated Mathematics Studies stream – a personalized program for exceptional students (AMS) is a unique mathematics stream that provides students with a strong mathematics background the opportunity to complete a honours degree in mathematics in just three years. Students who have invested significant time and effort in extracurricular mathematics activities like afterschool programs and schools, math contests or math camps may continue their mathematics studies at an accelerated pace, making the AMS stream an exciting alternative to a traditional mathematics program.

A committee of faculty from the Department of Mathematics & Statistics will review each application for the AMS stream. Students accelerate their studies by taking additional reading courses along with a traditional course load. These reading courses will allow a student to work at their own pace at material that they have covered through their extracurricular mathematics activities. The department will work with each AMS student to have a personalized plan of study so that the course load is not burdensome.

If a student, due to illness, academic problems, or other extenuating circumstances cannot progress through the stream at the required pace, they are required to switch to the regular BSc program. Please note that there is no academic penalty to leave the AMS stream. A student can choose to do so at any point in their AMS career and simply becomes a four year math major.

Criteria for Admission

- Submission of an AMS Application Form, a Written Personal Statement, and a Mathematical Activities Portfolio (details below).
- Required 4U subjects: exceptional average in Advanced Functions (MHF4U) and Calculus and Vectors (MCV4U) or equivalent or an equivalent amount of material studied in home schooling courses. Applicants with an average of at least 95% in these two courses automatically qualify for the admission interview and the entrance examination. For

applicants with average of at least 90% in the two 4U mathematics courses or equivalent courses, the permission to proceed with the admission interview and the entrance examination shall depend on the quality of the written personal statement and the portfolio of mathematical activities.

- Ontario Secondary School Diploma (OSSD) and minimum six 4U or 4M level credits.
- Passing an *entrance examination* (including written communication skills and mathematical proficiency).
- Passing an *admission interview* (face-to-face or by video conferencing) aimed at assessing if the applicant has adequate knowledge and skills as well as the ability to study independently.
- Strongly recommended subject: English (ENG4U) or equivalent.

How to Apply

To apply to Brock University for undergraduate studies, please see <http://brocku.ca/registrar/admissions>

When applying via OUAC, make sure you choose: (OUAC code: BJ) **BSc Honours, Math & Stats – Accelerated Mathematics Studies**.

To apply to the Accelerated Mathematics Studies stream, please prepare and complete the following materials:

- A Written Personal Statement
- The AMS Application Form
- A Mathematical Activities Portfolio which may include any of the following: (Note, we do not expect to receive any one of the enumerated materials. The portfolio is put together by the applicant as their personal presentation of their capabilities in mathematics and self-direction).
 - Proof of completed AP, IB, CLEP or other advanced credits from other public or private organizations including the level achieved in these programs
 - A list of other math activities, like math contests, math camps, math tutoring or science fair participation
 - Activities you have participated in which demonstrate your capability for independent learning
 - If available, a sample of exceptional written work

Please submit these documents electronically in Microsoft Word or PDF format to ams@brocku.ca

Questions related to the admissions process, including minimum academic requirements for entry, contact the Registrar's Office (Admissions) at admissns@brocku.ca.

Questions related to AMS can be directed to ams@brocku.ca