

Honours Science brings together a group of highly accomplished Science students into one class. Honours students take all of their Science core courses together and benefit from a common weekly meeting time for extra discussion, field trips, visiting speakers and social events. Because of the strength of the group, teachers may expand upon certain subjects and go into more depth in some areas than in regular science classes, providing an enriched experience for this cohort.

# HONOURS SCIENCE

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## **THIS PROGRAM IS FOR YOU IF...**

You are hard working, curious and enjoy the challenges of learning new ways of doing things. This program will appeal to students who are highly motivated and wish to study in a group of other highly motivated students. They are encouraged to work together on their course projects and to form study groups, developing their ability to interact socially with their classmates and teachers. We look for students who are intending to further their studies in some field of science or engineering, but we also would like them to be well-rounded persons. Our Honours Science students are usually very busy people with a variety of interests outside of the academic realm. We support this, and we encourage them to establish a good balance between their social, sports and academic lives. The ability to manage their time efficiently is essential.

## **WHAT DISTINGUISHES THE PROGRAM OFFERED AT JAC FROM OTHERS LIKE IT?**

In Honours Science, students take the same courses that regular Science students take. However, unlike the regular Science students, the Honours Science students take all their first-year science and mathematics courses together as a group, as well as their first biology course in the second year. Beyond that, they are free to select their own courses, based on their specific interests or requirements for particular university programs.

Being together in their first-year science and mathematics courses enables our students to build a stronger foundation in these subjects and to form friendships and study groups among other highly motivated and bright students.

First-year Honours Science students attend a weekly meeting during which they listen to lectures on areas of research by scientists from industry and university, or go on field trips to research facilities to see how science is conducted. In addition, former Honours Science students return to talk about their own research projects and career paths. Some meetings are set aside for socializing and for recreational events.

## **ADMISSION REQUIREMENTS**

DES  
+ Mathematics TS 5 or SN 5  
+ Sec. 5 Chemistry  
+ Sec. 5 Physics  
Applicants must have at least an 85% overall average with no mark below 80% in their science and mathematics courses.



## PROGRAM PLANNER

The course path for Honours Science students is the same as for regular Science students. See the Honours Science program link on the JAC website for more details [johnabbott.qc.ca/honoursscience](http://johnabbott.qc.ca/honoursscience).

### Does being in the Honours Science class affect the CRC (R-score) of Honours Science students?

No. Calculating a student's CRC (R-score) involves normalizing the student's grades against the class average for each course, and then averaging these. However, for the Honours Science class this would penalize the students for being in a class with a high average, so the normalizing is done against the whole first-year science student cohort. Thus the CRC (R-score) of Honours students are not adversely affected by being in a strong class.

### Are the Honours Science courses harder than those in the regular Science program?

Because the students selected for the Honours Science program learn the material at a faster rate, they can cover the essential course material in less time. This can allow Honours Science teachers to explore certain topics in a greater depth, or with more complex examples. This enrichment is driven, essentially, by student interest and ability. The students fulfill the same course requirements and write the same final examinations as the regular Science students.

In all their first-year courses, the accelerated pace of the course occasionally leaves time for interesting diversions. In their Physics course, for example, students have built and launched model rockets, assembled and flown hot air balloons and constructed and tested catapults. In their Chemistry course, students have designed their own Chemistry experiment for high school students, and subsequently hosted a group of high school students to perform the experiment that they had designed.



### WHERE HONOURS SCIENCE CAN TAKE YOU!

University studies and potential careers for Honours Science graduates are identical to those for the graduates of the regular Science program. Former Honours students can be found in programs as broad ranging as Mechanical Engineering, Food Science, Medicine, Law, Microbiology, Earth and Planetary Sciences, Dentistry, Veterinary school and Education.



### HOW TO APPLY

John Abbott College is affiliated with the *Service régional d'admission du Montréal métropolitain* (SRAM) and uses its online application service.

To apply:

- complete the online application at [admission.sram.qc.ca](http://admission.sram.qc.ca),
- select John Abbott College and the Science program, **AND**
- complete the online application form at [johnabbott.qc.ca/honoursscience](http://johnabbott.qc.ca/honoursscience).

**You will need a letter of recommendation from one of your science or mathematics teachers.**

**Applicants must have at least an 85% overall average with no mark below 80% in their science and mathematics courses.**

The deadline for both applications is March 1. All documents and payment must be submitted by the deadline.

### Program start: fall

**Note:** The SRAM and Honours Science applications are evaluated independently. Admission to the regular Science program is not affected by the decision regarding Honours Science. Students will receive a regular JAC acceptance letter based on their SRAM application and a separate email regarding acceptance into Honours Science.