

The Science program provides students with a balanced education that integrates both the basic components of rigorous scientific learning and a general education foundation. Graduates are equipped with a solid grounding in mathematics, chemistry, physics and biology and optionally earth science. Problem-solving skills and critical thinking are developed throughout. Courses are taught using an interdisciplinary learning approach where students apply scientific problem-solving techniques in a variety of contexts.

The Science program is also designed to develop well-rounded students who become informed, concerned and active citizens in local, national and global communities.



THIS PROGRAM IS FOR YOU IF...

- You are intellectually curious, motivated, and would like to pursue your studies in a science-related field.
- You have a keen interest in developing skills in effective oral and written communication, and analytical and critical thinking.

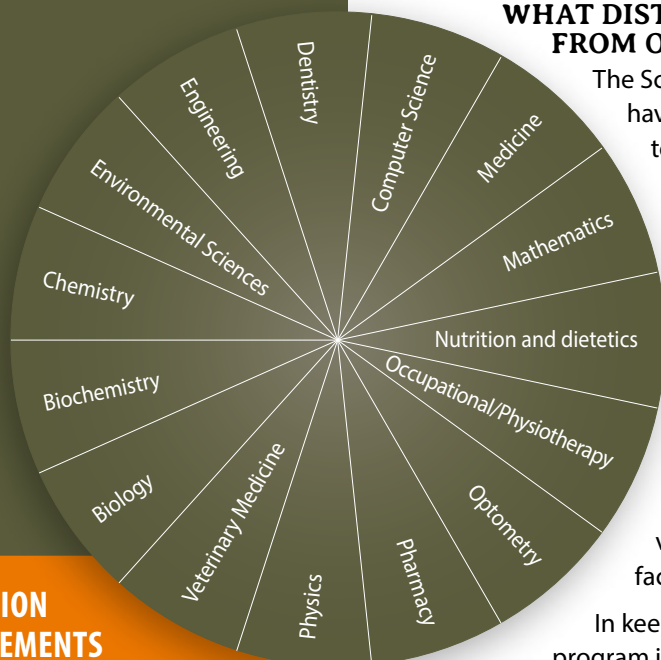
WHAT DISTINGUISHES THE PROGRAM OFFERED AT JAC FROM OTHERS LIKE IT?

The Science program at John Abbott is unique in that the students have the flexibility to choose their option courses according to the prerequisites required for admission to the university program of their choice. Today's scientists are required to be increasingly more interdisciplinary and our philosophy is a reflection of this reality.

After completing a general first year of Science, students select their two option courses, allowing them the freedom to choose courses that are of greatest interest to them, and get them access to the university program to which they aspire, as we offer a wide range of science option courses. Students are sure to find courses that will excite and inspire them. In the Science courses, we support a very hands-on approach making strong use of our laboratory facilities.

In keeping with our college's Climate Action Plan, the Science program is committed to teaching significant content in the context of current societal and environmental concerns, notably the Climate and Ecological Emergency.

Another distinguishing feature of this program is the level of support provided to students through faculty office hours, individual appointments, organized peer tutorial sessions, as well as customized support through the Academic Success Centre.



ADMISSION REQUIREMENTS

- DES
+ Mathematics TS 5 or SN 5
+ Sec. 5 Chemistry
+ Sec. 5 Physics

LEARNING COMMUNITIES

All first-semester students will be pre-registered into a "Learning Community". Students in Science will be preregistered together in several first semester courses to form a cohesive learning group. The Learning Communities model gives students a better opportunity to learn collaboratively and make friends. The result is a cohort of engaged students who benefit from a network of peer support and feel more connected to their program of study.

SCIENCE OPTION COURSES

All Science program students must take two (2) Option courses as part of their degree requirements. Option courses are a student's opportunity to explore fields of interest be it in biology, chemistry, computer science, mathematics, physics and/or the geosciences. They can also serve as a means for preparing students for certain university programs they already have their eyes set on. A full list of our Option courses can be found at <https://johnabbott.qc.ca/science-course-list/>



WHERE SCIENCE CAN TAKE YOU!

This program is intended for students who wish to further their studies or pursue careers in all science-related fields and beyond. This includes but is not limited to agriculture, architecture, astronomy, biological sciences, biochemistry, chemistry, computer science, dentistry, dietetics, education, engineering, environmental sciences, forestry, geological and climate sciences, kinesiology, mathematics, medicine, nursing, nutrition, occupational therapy, optometry, pharmacy, physics, physiotherapy and veterinary medicine.



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,
- select John Abbott College and the program of your choice along with the corresponding program number, and
- if applicable, send all required documents and the application fee.

Students whose prerequisites are more than five years old should contact the Admissions office.

The application deadline is March 1 for the fall semester and November 1 for the winter semester. All documents and payment must be submitted by the deadline.

Program start: fall and winter

PROGRAM PLANNER

FIRST SEMESTER

201-SN2-RE	Differential Calculus ¹
202-SN1-RE	General Chemistry ¹
203-SN1-RE	Mechanics ¹

Choice of one:

201-SN1-RE	Probability and Statistics ²
420-SN1-RE	Programming in Science ²

SECOND SEMESTER

201-SN3-RE	Integral Calculus
202-SN2-RE	Chemistry of Solutions

Choice of one

201-SN1-RE	Probability and Statistics
420-SN1-RE	Programming in Science

Choice of one

101-SN1-RE	Cellular Biology
203-SN3-RE	Waves and Modern Physics

THIRD SEMESTER

Choice of one

101-SN1-RE	Cellular Biology
203-SN3-RE	Waves and Modern Physics

And two of the following:

101-SN2-RE	Ecology and Evolution
201-SN4-RE	Linear Algebra and Vector Geometry
203-SN2-RE	Electricity and Magnetism
-----	Science Option course ³

FOURTH SEMESTER

360-PRO-AB	Project
------------	---------

Choice of one

101-SN2-RE	Ecology and Evolution
201-SN4-RE	Linear Algebra and Vector Geometry
203-SN2-RE	Electricity and Magnetism
-----	Science Option course ³

1. Students will be pre-registered in these three courses.
2. Students will be pre-registered in either 201-SN1-RE or 420-SN1-RE
3. Refer to the Science Option Course Chart for courses.

Each program leading to a Diplôme d'études collégiales (DEC) is made up of two components: program specific **CONCENTRATION** courses and **GENERAL EDUCATION** courses.

CONCENTRATION courses are those courses directly related to the DEC program.

GENERAL EDUCATION courses, English, French, Humanities, Physical Education and Complementary courses, are taken by all students regardless of their program. Placement in the language courses is determined by the Admissions Office. More information is available on the website at johnabbott.qc.ca/getstarted/placement-testing/

Students in all programs are required to complete courses in or of French, (total of 5).