Science, Computer Science and Mathematics 200.C1

2 YEARS

Application deadline › March 1

www.dawsoncollege.qc.ca/science-computer-science-mathematics

If you would like to:

- Build a strong foundation for university studies in computer science, mathematics, engineering, or a related field
- Learn scientific concepts while developing solid programming skills
- Explore a variety of scientific disciplines with computer science courses offered every semester
- Join a community of like-minded students who share your enthusiasm for coding and scientific discovery
- Be part of an exciting new program at Dawson College

Then the Science, Computer Science and Mathematics Program could be for you.

This innovative two-year pre-university program is designed for students who don't want to choose between science and computer science. With a strong emphasis on mathematics and physics, the program includes four computer science courses, one of which is an Integrative Project that combines computing with another scientific discipline.

> Scientists in today's world need to be agile problem solvers who can work collaboratively and adapt to changing needs. This pre-university program provides a tight-knit community for students passionate about computer science, mathematics, and engineering, offering them the opportunity to cultivate these essential skills.
>
> – Ben Seamone, Program Coordinator

What will you learn?

- To integrate and synthesize appropriate disciplinary knowledge to identify and analyze questions in a scientific context
- To employ a scientific method, demonstrating structured thinking, academic rigour, and critical judgment
- To read and analyze scientific publications and technical documentation
- To apply computational skills and computer programming to explore and solve scientific problems, perform experiments, analyze data, and present results
- To choose and appropriately use digital technologies to support their learning, including tools for research, presenting content and processing information, as well as specialized applications to model and simulate in a scientific context
- To design and implement a scientific project

Where will this program lead you?

This program prepares students for university studies in computer science and mathematics as well as in several fields in engineering and pure and applied sciences.

What do you need to apply?

- Secondary V Chemistry
- Secondary V Physics
- Secondary V Mathematics: Technical & Scientific option (TS) or Science option (SN)

What else should you know?

All students in the second year will complete a 75-hour course, Integrative Project in Computer Science and Mathematics (IP), taught by Computer Science. Students will need to design, implement, and present the results of a programming project, including concepts learned in another Science discipline (mathematics, physics, or chemistry). Projects are to be completed by groups but student assessment will be done for each individual student.

Dawson COLLEGE
3040 Sherbrooke St. West
Montreal, Quebec H3Z 1A4
dawsoncollege.qc.ca