**2 YEARS**

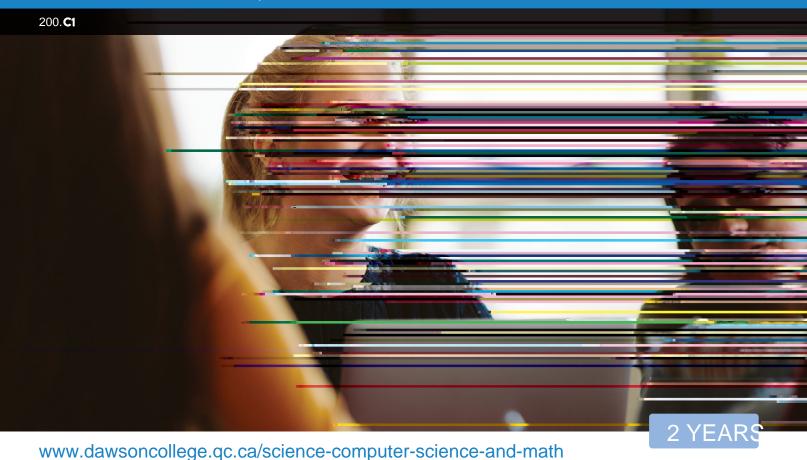www.dawsoncollege.qc.ca/science-computer-science-and-math

## If you would like to:

☐ Have an excellent preparation for university studies in computer science, mathematics, engineering or related eld

☐ Learn about science while developing programming skills

☐ Explore various disciplines in science and have courses in computer science every semester

☐ Belong to a learning community of students who are just as passionate about programming and scienti c research as you

☐ Be part of something brand new at Dawson

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

> " 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, of ering them the opportunity to cultivate these essential skills.
>
> — Ben Seamone, Program Coordinator

This brand-new two-year pre-university program at Dawson is designed for students who do not want to choose between their two passions of science and computer science. The disciplines of math and physics are emphasized and there are four courses in computer science, including a Integrative Project course combining computer science with another science discipline.

### What will you learn?

- To integrate and synthesize appropriate disciplinary knowledge to identify and analyze questions in a scienti c context
- To employ a scienti c method, demonstrating structured thinking, academic rigour, and critical judgment
- To read and analyze scienti c publications and technical documentation
- To apply computational skills and computer programming to explore and solve scienti c 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 scienti c context
- To design and implement a scienti c project