

ABOUT THE PROGRAM

The Computer Science and Mathematics program will allow graduates to pursue studies in the exciting and ever growing field of Computer Science. As a pre-university program, students are also able to enter university programs in Mathematics, Actuarial Sciences, Computer Gaming, Information Systems as well as traditional fields of study in both sciences and engineering.

With this program, graduates will find a challenging and exciting way to enter the academic and career worlds of computers and mathematics.

The innovative computer science courses in this program will give you the chance to take your skills, interests and passion for computers and technology and turn them into an exciting base for academic studies. Students in Computer Science and Mathematics will use a program approach to present scientific solutions to problems using math, chemistry and physics. While studying Computer Science and Mathematics you will combine science and computer technology courses.

IN THIS PROGRAM, YOU WILL LEARN TO:

- Interpret and evaluate solutions and theories
- Take a systematic approach to problem solving
- Use information and communications technologies to solve problems in a scientific context
- Conduct research and carry out projects pertaining to situations, problems or issues by drawing on several fields of knowledge
- Learn to work individually and as part of a team
- Develop personal abilities in analysis and reasoning
- Conduct a comprehensive assessment in the area of computer science and mathematics

SEMESTER BREAKDOWN

SEMESTER 1:

- English
- Humanities
- Physical Education
- Calculus I
- Mechanics
- Introduction to Programming

SEMESTER 2:

- English
- Humanities
- French
- Calculus II
- Waves, Optics & Modern Physics
- Data Structures and Object Oriented Programming

SEMESTER 3:

- English
- Humanities
- Physical Education
- Complementary
- General Chemistry
- Electricity & Magnetism
- Program Development in a Graphical Environment

SEMESTER 4:

- English
- French
- Physical Education
- Complementary
- Discrete Mathematics
- Linear Algebra
- Integrative Project in Computer Science and Mathematics

Choose your future

MINIMUM ADMISSION REQUIREMENTS

In order to be admitted to a program leading to a Diploma of College Studies (DEC), applicants must possess a Quebec Secondary School Diploma or have completed a level of education that is deemed equivalent by the College. Applicants must also have successfully completed Mathematics TS 5 or SN 5, Secondary 5 Chemistry and Secondary 5 Physics.

ADMISSION PRIORITIES

Even if applicants meet the requirements of the *Règlement sur le régime des études collégiales*, they may be refused admission due to lack of space.

CONTACT INFORMATION

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 **Application Deadline**
March 1st for the Fall Semester.

