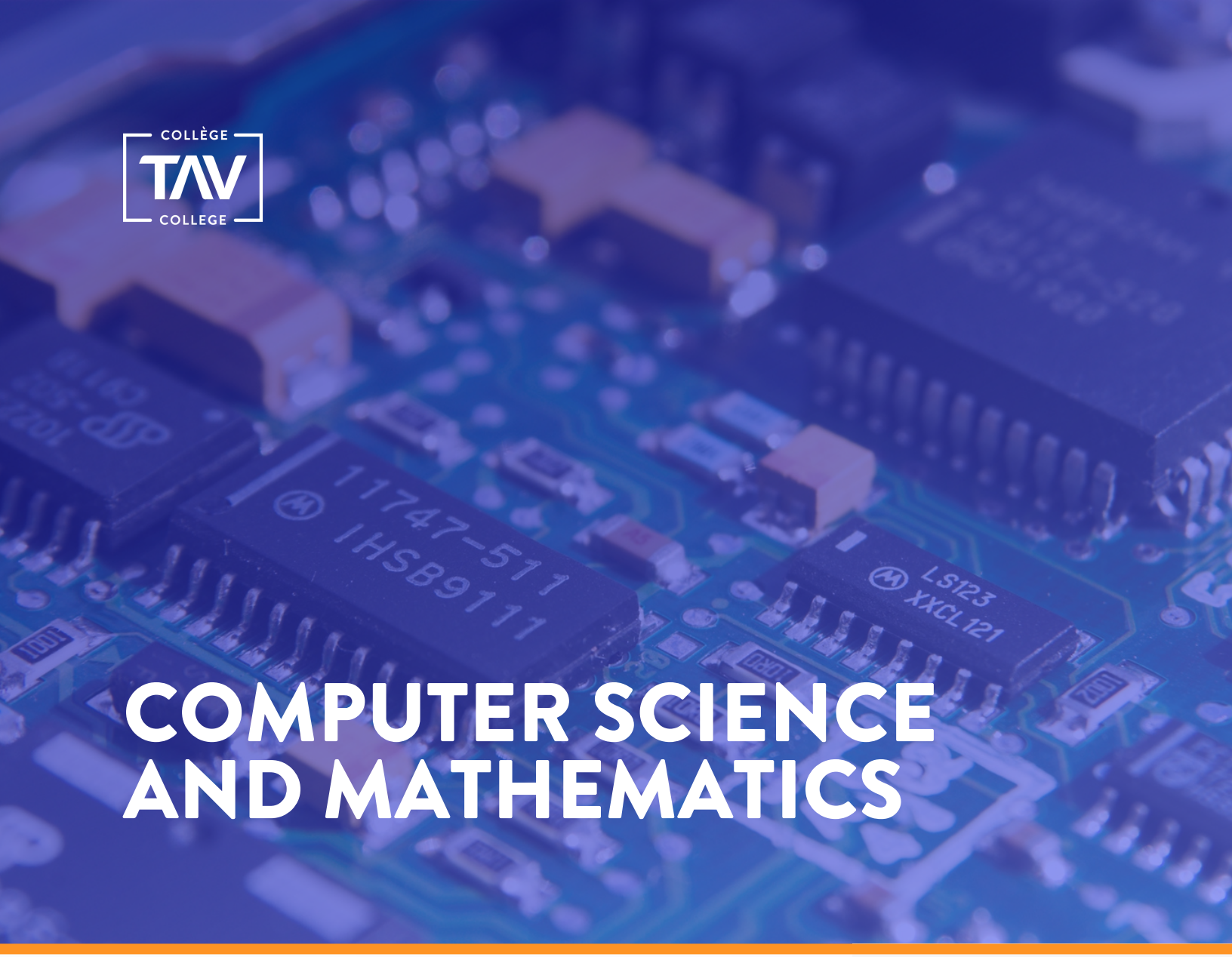

COMPUTER SCIENCE AND MATHEMATICS

ABOUT

Computer Science and Mathematics is a two-year pre-university DEC program that prepares students to pursue university-level studies in computer science, actuarial science, mathematics, computer gaming, information systems, fundamental sciences, and/or engineering.

- In this program, we prepare students for many cutting-edge university study options by training them in the fundamentals of mathematics, computer science, and programming, with a specific focus on:
    - Introductory programming
    - Data structures and object-oriented programming
    - Program development for a graphical environment
    - Discrete mathematics

QUICK INFO

Pre-University | DEC | 2 Years

200.C0

DEC

4 semesters

Start dates: Fall, Winter

In-person; Daytime

COMPUTER SCIENCE AND MATHEMATICS

COURSE LIST

SEMESTER 1

- 603-101-MQ INTRODUCTION TO COLLEGE ENGLISH
- 345-101-MQ KNOWLEDGE
- 602-100-MQ BASIC FRENCH
- 201-NYA-05 CAL I: DIFFERENTIAL CALCULUS
- 202-NYA-05 GENERAL CHEMISTRY: MATTER
- 203-NYA-05 MECHANICS

SEMESTER 2

- 603-102-MQ LITERARY GENRES
- 602-TVA-TV FRENCH FOR SPECIFIC PROGRAMS
- 109-101-MQ PHYSICAL ACTIVITY AND HEALTH
- 201-NYB-05 CAL II - INTEGRAL CALCULUS
- 201-NYC-05 LINEAR ALGEBRA AND VECTOR GEOMETRY
- 420-PRA-TV INTRODUCTION TO PROGRAMMING

SEMESTER 3

- 603-103-MQ LITERARY THEMES
- 345-102-MQ WORLD VIEWS
- 109-102-MQ PHYSICAL ACTIVITY AND EFFECTIVENESS
- 420-TVB-TV USE OF MICROCOMPUTER SOFTWARE
- 203-NYB-05 ELECTRICITY AND MAGNETISM
- 201-201- TV DISCRETE MATHEMATICS
- 420-210- TV DATA STRUCTURE AND OBJECT-ORIENTED PROGRAMMING

SEMESTER 4

- 603-TVE-TV ENGLISH ADAPTED TO PROGRAM
- 109-103-MQ PHYSICAL ACTIVITY AND AUTONOMY
- 345-TVH-TV CRITICAL THOUGHT APPLIED TO WORLD ISSUES
- 203-NYC-05 WAVES, OPTICS AND MODERN PHYSICS
- 420-310- TV PROGRAM DEVELOPMENT IN A GRAPHIC ENVIRONMENT
- 360-200- TV INTEGRATION PROJECT

IS THIS FOR YOU?

The Computer Science and Mathematics DEC program is ideal for the student who maintains an interest in the engineering and/or programming of basic or advanced computer technologies and systems and their application to creative problem-solving.

AFTER THE PROGRAM?

This program prepares students to apply to university in any of the following disciplines:

Fundamental Sciences:

- Chemistry
- Biology
- Biochemistry
- Physics
- Mathematics

Computer Sciences:

- Information Systems and Technology
- Mathematics and Statistics
- Software Engineering
- Computer Engineering
- Industrial Engineering