JOHN ABBOTT
CEGEP/COLLEGE

COMPUTER SCIENCE TECHNOLOGY

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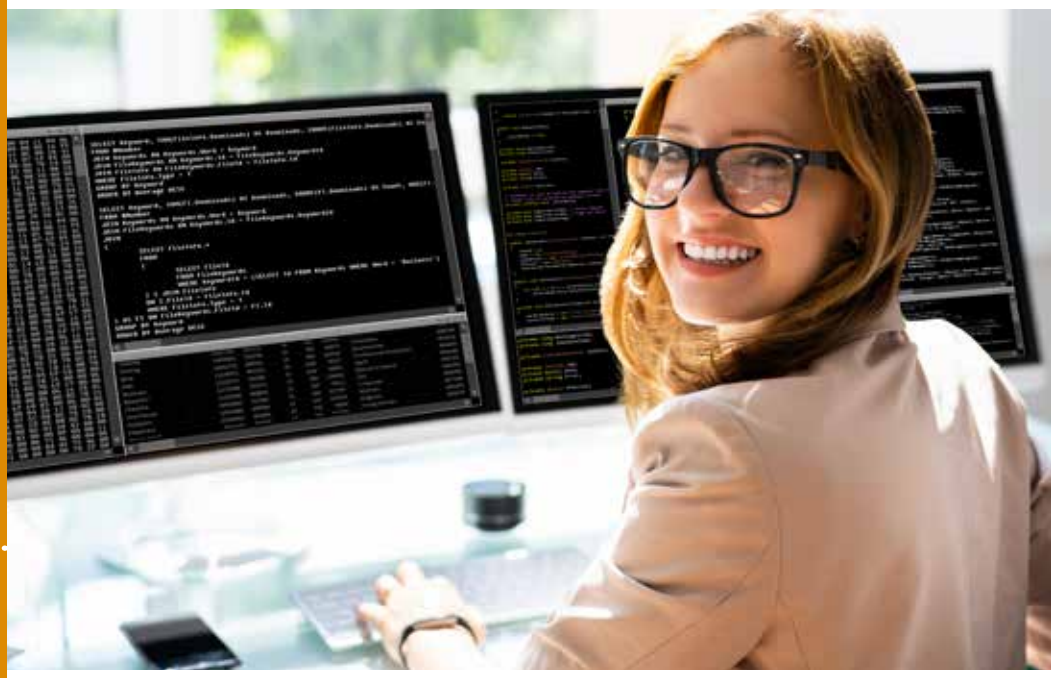
JOHNABBOTT.QC.CA

420.B0

The Computer Science Technology program teaches its students skills in the following areas of computing: computer programming, applications, problem solving, security, database design, cloud computing, networking, game programming, programming for connected objects, technical support. Along with the skills presented above, the program also teaches students communication skills, and job preparation skills.



THIS PROGRAM IS FOR YOU IF...

- You are passionate about finding unique and creative solutions to challenging and intriguing problems.
- You commit to reaching your goal in all types of projects.
- You are detail oriented.

ADMISSION REQUIREMENTS

DES
+ Mathematics CST 5 or TS 4 or SN 4

AN INTRODUCTION TO THE JOB MARKET

All third-year Computer Science students are introduced to the job market and gain invaluable work experience through fieldwork. In their sixth semester, students work three days a week in local companies.

Our goal is to train qualified individuals who will:

- design, build and configure IT systems,
- enhance and maintain existing software/ systems,
- perform development and administration tasks for websites and networks,
- provide technical support and training to users.

TECHNOLOGIES IN TUNE WITH INDUSTRY NEEDS

Computer Science students engage with popular software tools and developing technologies including

Market ready Programming languages

- C#/ASP.NET
- Html/CSS/ JavaScript
- TypeScript
- Python
- Kotlin

Development & Productivity tools, Cloud Technologies, Mobile

- Code Editors & IDEs
- Version Control Systems (Git/ GitHub, Azure DevOps)
- Office 365
- Azure
- Google
- Content Management Systems
- Android
- iOS
- Multiplatform

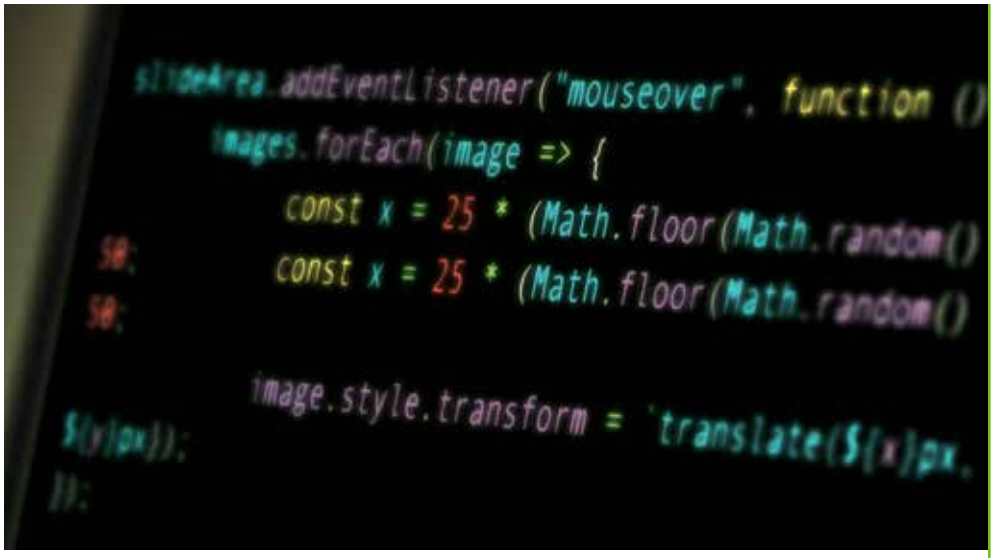
Databases

- MS SQL Server
- MySQL
- MongoDB
- SQLite

Operating Systems

- Linux, Windows,
- MacOS,
- Virtual
- Environments

and many more, enabling them to meet and often surpass industry standards.



FACILITIES IN TUNE WITH STUDENT NEEDS

The Computer Science department maintains four laboratories of modern computer hardware and software for the teaching of the most up-to-date technologies.

WHERE COMPUTER SCIENCE TECHNOLOGY CAN TAKE YOU!

Computer Science Technology graduates are sought out by employers in today's rapidly evolving business world. They find employment in business environments of all sizes. They can be hired as software developers/designers, network administrators, webmasters (programming, administration, and e-commerce) and technical support providers. Our graduates can also choose to pursue their studies at university. Students needing additional prerequisites for admission to university may be able to add these courses to their course selection after discussing their plans with an academic advisor.

Options for university studies

John Abbott students with strong academic backgrounds can receive credits of equivalencies from Concordia University and from Bishop's University. More details on the John Abbott website.

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. All documents and payment must be submitted by the deadline.

Program start: fall

PROGRAM PLANNER

FIRST SEMESTER

420-1P6-AB	Programming I
420-1T4-AB	Productivity Tools
420-1N6-AB	Technical Support

SECOND SEMESTER

420-2P6-AB	Programming II
420-2W6-AB	User Interfaces
420-2T3-AB	Information Technology
420-2N5-AB	Networking

THIRD SEMESTER

420-3P6-AB	Programming III
420-3W5-AB	Web Programming I
420-3D6-AB	Database
420-3N6-AB	Operating Systems

FOURTH SEMESTER

420-4P6-AB	Programming IV
420-4W6-AB	Web Programming II
420-4A8-AB	Application Development I

FIFTH SEMESTER

420-5P6-AB	Game Programming
420-5W6-AB	Web Programming III
420-5A6-AB	Application Development II
420-5N4-AB	Security
420-5S3-AB	Job Preparation

SIXTH SEMESTER

420-6P5-AB	Connected Objects
420-6A4-AB	Application Development III
420-6S9-AB	Stage I
420-6SC-AB	Stage II

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).

ADMISSIONS: 514-457-6610 x5358 | admissions@johnabbott.qc.ca | 21 275 Lakeshore, Sainte-Anne-de-Bellevue (Québec) H9X 3L9