

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.

### 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:

- build IT systems,
- maintain and enhance existing software,
- develop and administer websites and networks,
- provide technical support and training to users.

### TECHNOLOGIES IN TUNE WITH INDUSTRY NEEDS

Computer Science students are taught a wide array of software and technologies including:

- |             |                  |              |                   |
|-------------|------------------|--------------|-------------------|
| • C#        | • MySQL          | • Linux      | • Mobile          |
| • Java      | • Azure          | • HTML       | Development (iOS, |
| • PHP       | • AWS            | • CSS        | Android)          |
| • ASP.NET   | • Office365      | • JavaScript |                   |
| • SQLServer | • Windows Server | • AJAX       |                   |

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

### ADMISSION REQUIREMENTS

DES  
+ Mathematics CST 5 or TS 4 or SN 4



## PROGRAM PLANNER

### FIRST SEMESTER

603-101-MQ	English
345-1__-MQ	Humanities
602-1__-MQ	French
420-1P6-AB	Programming I
420-1T6-AB	Productivity Tools
420-1N6-AB	Technical Support

### SECOND SEMESTER

603-1__-MQ	English
109-1__-MQ	Physical Education
____-____-__	Complementary Course
420-2P6-AB	Programming II
420-2W6-AB	User Interfaces
420-2T3-AB	Information Technology
420-2N5-AB	Networking

### THIRD SEMESTER

603-1__-MQ	English
109-1__-MQ	Physical Education
____-____-__	Complementary Course
420-3P5-AB	Programming III
420-3W5-AB	Web Programming I
420-3D6-AB	Database
420-3N5-AB	Operating Systems

### FOURTH SEMESTER

603-200-MQ	English
345-1__-MQ	Humanities
602-2__-MQ	French
420-4P6-AB	Programming IV
420-4W6-AB	Web Programming II
420-4A8-AB	Application Development I

### FIFTH SEMESTER

345-2__-MQ	Humanities
109-103-MQ	Physical Education
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

420-6P3-AB	Connected Objects
420-6A6-AB	Application Development III
420-6S9-AB	Stage I
420-6S5-AB	Stage II

## 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](http://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**