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# Champlain

COLLEGESAINT-LAMBERT



Computer Science Program (420.B0)

## Computer Science Technology

### About the program:

Computer Science Technology is a three-year career program designed to provide you with a strong background in object-oriented methodology, particularly in program design and system analysis. Web concepts are integrated into courses and develop dynamic database-driven web applications on various operating system platforms. The program will focus on computer programming, operating systems, database and web technology, data communication and networking, security, and advanced programming languages.

Students in the Computer Science Technology diploma program will benefit from our modern facilities where every course uses a combination of class and laboratory time with access to the most recent versions of software. As a bonus, each student benefits from access to the same software for use on their own devices as part of our academic alliances with software vendors. Staff, faculty, and student advisors are committed to helping you succeed and prepare for a stage-training program in Semester 6 in an external business institution. The program features a well-rounded blend of technologies that will prepare you to graduate as a developer, technician, or administrator of technologies in various industries. Our advisory committee of IT business professionals reviews the offerings each year and suggests adjusting the curriculum to reflect current and forecast computer technology needs.

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#### The possibilities:

The program prepares you for various careers such as software developer, information systems specialist, PC specialist, and more. The technical and business skills you will learn in Computer Science Technology will qualify you for some of the most dynamic in-demand jobs in the computer industry today. Students may also pursue university studies in many fields, including software engineering, business, or other science programs.

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#### Skills Acquired in the program:

Client-server Development, Cloud Development, Computer Programming, Computer and Networking Support, Database Design and Administration, Gaming, Internet of Things, IS Security, Modern Systems Analysis and Design, Mobile App Development (Android and iOS), Problem Solving, Operating Systems Object Oriented Methodology, Software Design.

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Application Deadline:

March 1<sup>st</sup> for the Fall Semester

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Minimum Admission Requirements:

Quebec Secondary School Diploma or a level of education that is deemed equivalent by the College. Even if applicants meet the requirement of the Réglement sur le régime des études collégiale, they may be refused admission due to lack of space.

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Prerequisites:

Mathematics TS/SN4 or CST 5

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