View the Program Grid

Champlain
COLLEGESAINT-LAMBERT

Computer Science Technology

About the Program:

The Computer Science Technology program is a comprehensive three-year career program crafted to furnish students with a robust foundation in object-oriented methodology, with a specific emphasis on program design and system analysis. The curriculum integrates web concepts across courses, enabling the development of dynamic, database-driven web applications across various operating system platforms. This program diligently focuses on key areas including computer programming, operating systems, database and web technology, data communication and networking, security, and advanced programming languages. Students enrolled in the Computer Science Technology diploma program will benefit from state-of-the-art facilities, combining theoretical classes with practical laboratory sessions. This blend ensures exposure to the latest software versions, complementing academic learning. Each student also gains access to these software tools on their personal devices through our academic partnerships with leading software vendors. The program offers a well-rounded technological education that primes graduates for roles as developers, technicians, or administrators across various industries.

Students Will Learn To:

Object-oriented methodology, Problem Solving, Programming Languages, Modern Systems Analysis and Design, Operating Systems, Database design and administration, Client-server development, Cloud development, Distributed Systems and Micro Services, Computer and networking support, Information Systems Security, Internet of Things (IoT,) Mobile app development, Game development.

The Possibilities:

Prepare to embark on a fulfilling career path in roles such as software developer, information systems specialist, and PC administration among others. The technical and business acumen developed during the program positions you ideally for some of the most sought-after and dynamic positions in today's tech-driven markets. Furthermore, the program provides a solid groundwork for students wishing to pursue further studies at the university level in software engineering, business, or other science fields.

Computer Science Program (420.B0)

Application Deadline:	March 1 for the Fall Semester
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.
Prerequisites:	Mathematics TS/SN4 or CST 5