ABOUT THE PROGRAM

The Legacy to Mobile program provides a unique experience in developing and supporting computer systems to satisfy business requirements. Graduates are well trained for a career as a programmer analyst or as technical support. Students will also benefit from excellent on-site training at companies which may lead to full-time jobs.

Our courses are constantly evolving to meet the needs of employers. Learning takes place in both classrooms and computer labs. Our teachers bring sound knowledge and experience to the classroom. This three-year technical program is well-suited for students who are interested in computer programming. Champlain has become one of the few Cegeps in Quebec to offer mainframe programming and, through our partnership with the well established Fresche Legacy, students will have access to mainframe resources. In addition, students will focus on IT modernization solutions which include programming for mobile platforms such as tablets and phones.

THE PROGRAM PROVIDES YOU WITH SKILLS IN:

- problem solving
- software design
- operating systems
- computer programming
- client/server - multi-tiered architecture
- object-oriented programming
- mobile device programming
- database design and management
- mainframe application programming
- networking
- web development

A CAREER AS A COMPUTER PROGRAMMER ANALYST CAN PROVIDE YOU WITH EXCITING AND REWARDING WORK IN AREAS SUCH AS:

- Computer programming
- Web development
- Systems development
- Data modeling
- Database administration

SEMESTER BREAKDOWN

SEMESTER 1:
- English
- Humanities
- French
- Physical Education
- Computing Mathematics
- Computer Fundamentals
- Introduction to OOP (Object Oriented Programming)
- Web Interface Design

SEMESTER 2:
- English
- French
- Humanities
- Complementary
- Quantitative Methods for Computer Science Students
- Programming with Java
- Web Site Planning and Implementation
- Operating Systems and Scripting
- Configuring, Managing and Maintaining Computers

SEMESTER 3:
- English
- Physical Education
- Complementary
- Business Fundamentals for IT
- Networking and Internet Services
- COBOL Programming
- Database Design and SQL Language
- Game Development

SEMESTER 4:
- English
- Humanities
- Physical Education
- Social Media Business Tool
- Business Systems Analysis
- JCL/RPG
- Legacy System Modernization
- Web Programming

SEMESTER 5:
- Database Systems Administration
- Software Testing and Quality Assurance
- Building Windows and Web Applications
- Final Project 1 – Legacy to Mobile
- Mobile Application Development
- Career Planning

SEMESTER 6:
- Emerging Technologies
- Externship – Legacy to Mobile
- Final Project 2 – Legacy to Mobile
- Comprehensive Assessment / Digital Portfolio

Champlain
COLLEGE SAINT-LAMBERT

Computer Science – Legacy to Mobile
Computer Science Program (420.A0)

Choose your future

MINIMUM ADMISSION REQUIREMENTS

In order to be admitted to a program leading to a Diploma of College Studies (DEC), applicants must possess a Quebec Secondary School Diploma or have completed a level of education that is deemed equivalent by the College. Applicants must also have successfully completed Mathematics TS 5 or SN 5.

ADMISSION PRIORITIES

Even if applicants meet the requirements of the *Règlement sur le régime des études collégiales*, they may be refused admission due to lack of space.

CONTACT INFORMATION

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! Application Deadline
March 1st for the Fall Semester.