6 SEMESTERS | Day or evening and weekend
2670 hours

DEC
420.B0

The Computer Science Technology DEC, with a Network and Security Management profile, was developed in partnership with key industry players. It will help you gain all the skills necessary to manage physical and cloud networks. You will also learn key cybersecurity concepts, one of the current priorities in IT.

Thanks primarily to Cisco, Microsoft and Linux technologies, it will help you develop your computer skills and knowledge for implementing, managing and monitoring computer networks.

The frequently updated Computer Science Technology courses, with a Network and Security Management profile, lead to a number of certifications recognized by the job market including: CISCO (CCNA and CCNP), CompTIA (A+), Microsoft (MCSA) and LPIC.

Training Objective

This program teachs students to provide technical support, make appropriate technological decisions and perform implementation and configuration, all in compliance with current standards.

Cisco Networking Academy

For more than 20 years, LaSalle College has been a member of the prestigious Cisco Networking Academy, which allows it to offer its students exclusive and sought-after certifications.

Admission Criteria

Have obtained a Secondary School Diploma (DES) and completed the following program prerequisite:

- Mathematics: TS, SN Secondary IV or CST 5 (Math 436 under the old plan)

or

Have obtained a Professional Studies Diploma (DEP) and completed the following courses:

- Language of Instruction from Secondary V
- Second Language from Secondary V
- Mathematics: TS, SN Secondary IV or CST 5 (Math 436 under the old plan)

or

Have obtained an equivalent education or an instruction deemed sufficient. Every case will be analysed by the College.

2000, Sainte-Catherine Street West
Montréal (Québec)
Canada H3H 2T2

Telephone: (514) 939-2006
1 800 363-3541
lasallecollege.com

LCI EDUCATION NETWORK
MEMBER

6 SEMESTERS | Day or evening and weekend
2670 hours

DEC
420.B0

Concentration Courses

- Applied Mathematics (60 h)
- Introduction to Networks (75 h)
- Computer Technical Support (75 h)
- Installation and Configuration of a Client Operating System (60 h)
- Installation and Configuration of a Free Operating System (75 h)
- Routing and Switching Essentials (75 h)
- Scaling Networks (75 h)
- Installation and Configuration of a Server Operating System (60 h)
- Administration of an Open Source Operating System (60 h)
- Programming and Scripting Langages (90 h)
- Connecting Networks (75 h)
- Security of a Network Infrastructure (75 h)
- Advanced Administration of an Open Source Operating System (60 h)
- Implementation of Directory Services (75 h)
- Advanced IP Routing (75 h)
- Implementation of Network Services (75 h)
- Administration of Open Source Network services (60 h)
- Advanced IP Switching (75 h)
- Installation and Configuration of an Email Server (90 h)
- Professional Integration (60 h)
- Internship (255 h)
- Troubleshooting IP Networks (75 h)
- Integrating Comptencies in a Case Study (105 h)
- Management of an IT Infrastructure (75 h)

* The College reserves the right to substitute certain courses.

General Education Courses

- 3 Physical Education Courses (90 h)
- 3 Humanities Courses (150 h)
- 4 Literature Courses (240 h)
- 2 Second Language Courses (90 h)
- 2 Complementary Courses (90 h)

Bring Your Own Device

The use of a laptop computer is mandatory. This laptop must be equipped with the Windows operating system to work with all software. Standard or student license software must be installed when requested by teachers.

The following features are required for PCs:

- Processor: Intel I5 or AMD A8 compatible with VT-X virtualization
- Memory: 8 GB minimum
- Hard drive: 1 TB minimum
- Screen: 14 inches minimum
- Connectivity: USB 3.0, Wi-Fi and NIC LAN

You will need a USB-RJ45 adaptor if your laptop doesn't have a network jack.

Required software: Office suite.

Career Prospects

- Computer network technician
- IT analyst and consultant
- Multi-platform system and network administrator
- User support and computer maintenance technician
- Internetworking equipment programmer
- Network manager
- Network security technician
- Network infrastructure installer (routers, switches, cabling, etc.)

You can also further your software engineering education at the university level.

Methods of Instruction

On-campus

- At the Montréal campus