



LaSalle College

COMPUTER SCIENCE NETWORK MANAGEMENT

**DEC DIPLOMA OF COLLEGE STUDIES
DAY | 6 SEMESTERS**

420.AC

The Computer Science Technology program (DEC), with the Network Management specialization stream, trains computer technicians to design, analyze and troubleshoot computer networks using various technologies (multiplatform).

Graduates of this program will be called upon at critical stages of launching and extending networks, and can fulfill various functions involving system usage, network connections and computer hardware. Network managers may be involved in all stages of creating a network.

The course content is always current and perfectly reflects the latest technological developments, leading to certifications recognized in the job market, such as: Cisco (CCNA), CompTIA (A+) and Microsoft (MCSA).

Are you passionate about computer science? Want to learn more about the many different facets of operating systems? Then this program is for you.

PROGRAM OBJECTIVES

This program provides students with practical skills in the field of networking, including commercial network installation, server configuration, user management, computer connections, and more.

CAREER PROSPECTS

- Multiplatform Network Administrator
- Website Administrator, Webmaster
- Tech Support and Computer Maintenance Technician
- Network Connections Programmer

PARTICULAR CONDITIONS

The students must have a personal laptop or be willing to purchase one before starting the program:

System requirements :

Processor : Intel I5 or more

RAM : 12 Gb or more

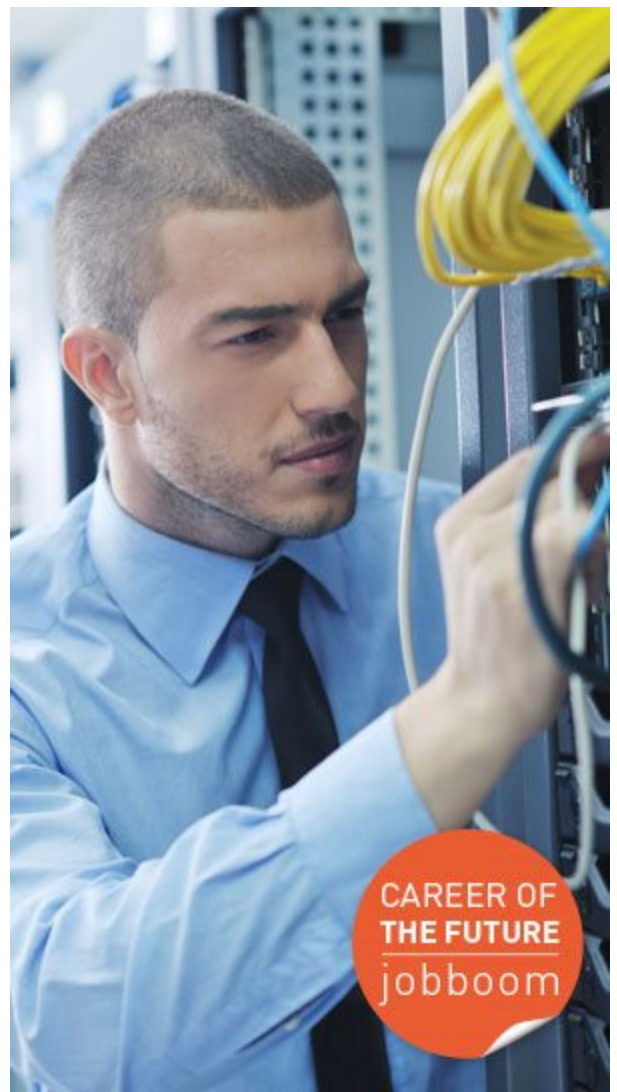
Hard Disk space : 500 Gb or more

Monitor : 14 pouces ou plus

Connectivity : WIFI et LAN

Ports : 1 port USB 3.0 or more

These specific requirements also apply to MacBook laptops





PROGRAM CONTENT

CONCENTRATION COURSES

- Computers environment
- Elements of data processing
- Structured programming
- Applied Mathematics
- Computers architecture
- Object programming
- Applied statistics
- Operating system
- PC Configuration
- Advanced programming
- Networking architecture
- Networking administration
- Routers configuration
- Advanced operating system
- Communication
- Advanced networking administration
- Routers installation
- Networking implémentation
- Internship preparation
- Networking security
- WEB server implantation
- WAN conception
- Final project
- Internship I
- Internship II

GENERAL EDUCATION COURSES

- 3 Physical Education courses
- 3 Humanities courses
- 4 Language and Literature courses
- 2 Second Language courses
- 2 Complementary courses

ADMISSION CRITERIA

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

- Language of Instruction from Secondary V
- Second Language from Secondary V
- Mathematics TS or SN 5e (or Math 526)
- Physical Sciences from Secondary IV
- History from Secondary IV

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 or SN 5e (or Math 526)

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

LEVEL

- This program leads to a Diploma of College Studies (DEC).
- Holders of a Diploma of College Studies (DEC) can either begin to work in their field or pursue university studies.

COMPUTER CLUB

The School includes a student-run computer club, which provides support to new computer science students and organizes sports and cultural activities.

* The College reserves the right to substitute certain courses.

