

COMPUTER NETWORK, ARCHITECTURE, AND MANAGEMENT

2 YEARS - CAREER PROGRAM



ABOUT THE PROGRAM

Computer Network, Architecture, and Management is a two year AEC career program that prepares students to become computer network administrators, network architects, or network technology technicians.

A Computer Network Administrator (CNA) works with large companies that have their own IT department, or as an independent consultant working with small-to-medium-sized companies. Within a small business, one individual, most of the time, is the sole person responsible for the operation of a computer network.

CAREER PROSPECTS

- The IT department for government agencies (at the municipal, provincial or federal levels)
- School board IT departments (elementary schools, high schools, colleges, and universities)
- Large or small sized businesses

IS THIS FOR YOU?

A professional network administrator will determine quickly, and with as much precision as possible, the cause of a problem and then will implement an appropriate solution while evaluating the consequences of the choice as it carries throughout the network. This process requires a key set of skills:

- Versatility (ability to adapt)
- The ability to work fast under pressure

CURRENT STATUS

Currently, qualified network administrators are among the topmost sought-after in the employment category in the province of Quebec. In the US, the employment of computer network architects was projected to grow by 15 percent (15%) from 2012 to 2022, faster than the average for all occupations. Additionally, demand for qualified and skilled computer network architects will continue to increase as more-and-more companies continue to expand their use of wireless and mobile networks.

SEMESTER 1

- 420-AAB-TV - INTRODUCTION TO THE PROFESSION
- 420-AAC-TV - ALGORITHMS AND PROGRAMMING
- 420-124-TV - OPERATING SYSTEM I
- 360-DWA-TV - WORK METHODOLOGY
- 201-DWJ-TV - FOUNDATIONS OF MATHEMATICS

SEMESTER 2

- 247-001-TV - HARDWARE INSTALLATION
- 420-226-TV - OPERATING SYSTEMS II
- 201-DWH-TV - PROBLEM-SOLVING IN COMPUTING

SEMESTER 3

- 247-002-TV - HARDWARE SELECTION
- 420-366-TV - NETWORK ARCHITECTURE
- 420-AAD-TV - SERVER INSTALLATION AND CONFIGURATION I

SEMESTER 4

- 410-003-TV - MANAGEMENT OF A COMPUTER POPULATION
- 602-DWN-TV - COMMUNICATING IN FRENCH
- 420-565-TV - NETWORK DESIGN
- 420-524-TV - TECHNICAL SUPPORT AND TRAINING
- 420-AAG-TV - WORKPLACE INTERNSHIP I*

SEMESTER 5

- 420-AAE-TV - SERVER INSTALLATION AND CONFIGURATION II
- 420-AAF-TV - INTRANET TECHNOLOGY
- 247-003-TV - NETWORK IMPLEMENTATION

SEMESTER 6

- 247-004-TV - NETWORK MAINTENANCE
- 247-005-TV - NETWORK MONITORING AND TROUBLESHOOTING
- 420-424-TV - INFORMATION SECURITY
- 420-AAG-TV - WORKPLACE INTERNSHIP II*