Individuals trained in microcomputer and networking systems provide problem solving services to network users. They are typically responsible for maintaining, troubleshooting and administering the use of local area networks (LANs), wide area networks (WANs) mainframe networks, computer workstations, and connections to the internet. The widespread use of the Internet has led to the use of routers, proxies, firewalls, VPN (Virtual Private Networks) and now cloud computing and virtualization. The new technologies that have evolved in the last few years have also led to such internet-business terms as B2B, B2C and M2M. Our program is in constant evolution from year to year as the ever-increasing changes in industry dictate changes to course content.

This program provides instruction and training on how to install, configure and maintain microcomputers, operating systems as well as cloud technology. Areas of study include technical support, Linux operating systems, network operating systems, managing an enterprise network, Microsoft based systems, and cloud environments.

We prepare students for jobs that demand proficiency with Microsoft products and technologies. In addition, Herzing College is a member of the Computer Technology Industry Association (CompTia). We also prepare students for proficiency in microcomputer hardware and operating systems. Because certifications are a reality in the computer industry, the Microcomputers and Networking Systems program contains course material for Microsoft Certified Solutions Associate (MCSA), Cisco CCENT, CompTia A+ and Network+, CompTia Cloud Essentials and CompTia Linux+ certifications.

Program length: 15.5 months (includes 12 week internship)

ADMISSION REQUIREMENTS

- Quebec issued high school diploma or equivalent
- Minimum of two consecutive terms
  OR
  One school year interruption from full-time studies
  OR
  Minimum of one year post-secondary education
- Pass a general admissions entrance test
- Meet any additional program specific entrance requirements

Maria K.  
Herzing Student
MICROCOMPUTER AND NETWORKING SYSTEMS

COURSE LIST

- Introduction to Computing and Application Software
- Computer Architecture
- Peripherals
- Electronics for Network Specialists
- Introduction to Networking
- The Windows Operating System
- Mathematics for Network Specialists
- Web Server Installation
- Communication Protocols
- Technical Support
- The UNIX Operating System
- Networking Operating System
- Managing an Enterprise Network
- Project
- Web Server Installation
- Communication and Electronic Mail
- Work Internship

CAREER OUTLOOK

The Microcomputer and Networking Systems program prepares graduates for employment opportunities with computer support organizations that consult with clients on the installation and maintenance of computer networks.

EMPLOYMENT STATISTICS

100%

Percent of available 2018 graduates employed in a related field*

SAMPLE AVERAGE SALARY*

$33,000 - $37,000

EXAMPLES OF POSSIBLE JOB TITLES

Cloud Infrastructure Engineer, Technical Support Specialist, Network Specialist, Network Operations Analyst, Network Administrator

EXAMPLES OF EMPLOYERS

Group Access, DMS Consulting, Michael Kors, JP Metal, Arinc, Jesta I.S.

*Employment statistics based on most recent available. Starting salaries represent an average starting wage based on a limited sample size from the most recent graduate reporting period. This is meant to serve as an example of past results, but is not a predictor of future results. Information and data in this document is subject to change. Updated Mar/14/2019.