

NETWORKING AND TECHNICAL SUPPORT (LEA.CL)

Duration | 12 Months (International Students)

Salary | Average annual salary is \$69,000 in Canada

MONTREAL COLLEGE IT

Ministère de l'Éducation et de l'Enseignement supérieur
Permit No. 693570



Designated learning institute (DLI) 019338447682

Program Overview

Network administration involves a wide array of operational tasks that help an organization's networks run smoothly and efficiently. And a network administrator carries out these tasks along with ensuring security of the communication systems.

This program empowers you with the right skills of system administration using Microsoft Windows Server 2012, maintaining & troubleshooting cloud services in Linux. You shall also learn different techniques of setting up a Cisco networking devices and cybersecurity fundamentals along with execution & deployment of VMWare based instance. Furthermore, you shall be exposed to cloud fundamentals in Amazon Web Services (AWS) and automation of tasks, Ansible playbooks. Lastly, your learnings are solidified with a capstone project.

Course Outline

1 | System Administration - Part I

- ☑ Microsoft Windows Server 2012
- ☑ Design & implement network services & roles
- ☑ Maintain & troubleshoot network services & roles

2 | System Administration - Part II

- ☑ Maintain & troubleshoot network & cloud services on Linux
- ☑ Application of Linux knowledge in Data centers, computers

3 | Setup a Network with Cisco Networking Devices

- ☑ Routing & Switching
- ☑ Security features
- ☑ Data Center

4 | Fundamentals of Network Security

- ☑ Cyber Security operations in a network without service interruptions
- ☑ Cryptography & modern networks

5 | Data Center Virtualization

- ☑ Execute, deploy & manage VMWare based environment

6 | Introduction to Cloud Computing

- ☑ Amazon Web Services (AWS) - IAM, EC2, Networking, S3, RDS
- ☑ Implementing a sample solution on AWS

7 | Advanced Topics in Networking

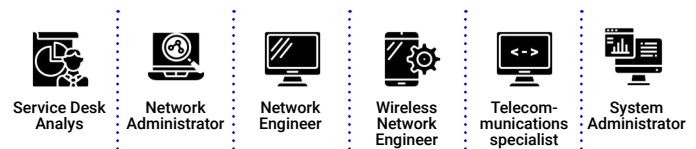
- ☑ Write Ansible playbooks to automate tasks
- ☑ Automation of common Linux system administration tasks

8 | Career Development

- ☑ Building Resume, CV & LinkedIn profiles
- ☑ Cover letters & interview preparation skills
- ☑ Understanding Canadian job market

9 | Project

Career Options



Industry Overview

- 1 | Employment of both network and systems administrators is projected to increase 6% through 2026, according to the Bureau of Labor Statistics.
- 2 | All these industries are looking out for network/system admin professionals- Information Technology, Business/ Professional Consulting, Healthcare and Social Services, Finance/Insurance

Skills you Acquire

- ☑ Configuring network hardware like servers, routers and switches
- ☑ Upgrading and repairing computer networks
- ☑ Troubleshooting network issues
- ☑ Assisting network architects with the design of network models
- ☑ Deploying and updating software
- ☑ Managing servers and their operating systems
- ☑ Implementing security measures and basic testing
- ☑ Managing cloud and physical network storage

Why Choose MCIT?

1 Quebec Ministry Approved Diploma

(MCIT Designated Learning Institution No: 019338447682)
Your credentials are valid as our programs are all attested by the Ministry of Education of Quebec

2 Post Graduate Work Permit (PGWP)

After successful completion of your program, you're eligible for a post-graduate work permit

3 Earn while you Learn

You can work for 20 hours per week as an international student, in accordance with the Canadian Immigration laws.

4 On-Campus Job Opportunitie

You could work as an academic assistant at MCIT, provided you prove your academic excellence and meet our recruitment criteria

5 Learn French for Free

You could learn French language by attending the classes organized by the Quebec Government and reap benefits appropriately, thereby improving your job & immigration prospects

6 Support for Co-Op Internships

We strongly encourage you to take up internship opportunities, apart from your mandatory capstone project in the course

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Career Support Services

The Career Center at MCIT is designed to offer students and alumni the opportunity to learn about the Canadian job market and how to sell their skills and experience to successfully find job opportunities. You shall be assisted in learning:

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|---|---|---|
| <p>1 Canadian customs</p> | <p>2 The art of Networking
How to build a professional network</p> | <p>3 Cover Letters Writing</p> |
| <p>4 CV & Resume Writing</p> | <p>5 Internship Preparation</p> | <p>6 Job Search Checklist
Exploration, Preparation, Implementation</p> |
| <p>7 LinkedIn Profile Building</p> | <p>8 Interview Preparation</p> | <p>You'll be Job-ready!</p> |

Learning Methodology

Learning Methodology is the central mechanism for learning advancement. It's the core that drives all your expertise and knowledge to attain professional success.

