



Network Administration and Information Security Specialist

The Program in Brief

The goal of the Network Administration & Information Security program is to provide participants with the necessary tools to deal with the day to day technical demands of administering local and wide area networks, while maintaining their security and ensuring their integrity. Participants will receive a solid grounding in all network administration tasks and how to implement and effectively utilize various technologies. Additionally, they will come to fully understand the process of developing proper security policies and procedures that are practical and effective at meeting a wide range of needs. The penetration testing component will allow them to delve into the mind-set and techniques utilized by those who wish to compromise their systems and networks, so that they will fully understand the how and why of implementing protective countermeasures.

Why You Should Consider It:

As companies expand their businesses and have to rely more heavily on networks to remain productive and competitive, demands for network administrators with a solid foundation of information security related knowledge and skills is steadily growing. Implementing safe and reliable communications and commerce systems that tie various Internet, web, and computer technologies requires sound knowledge of computer networks and protocols, policy development and implementation. Additionally, the increasing demand for effective and safe wireless implementations is fuelling the need for well-rounded IT professionals with a host specialized wireless networking knowledge and skills.

Prerequisites

- An established comfort level with using computers and common applications to complete day to day tasks
- Grade 12 Diploma

Key Topics

- Fundamentals of Network Administration
- Practical Utilization of Widely Implemented Information Technology
- Information Technology Project Management
- The Fundamentals of Wireless Networking
- Managing Information Security
- Practical Network Defence & Penetration Testing

Other Key Program Elements

Participants can expect to be continuously challenged with demanding assignments, group and individual projects aimed at helping build high level skills. Some labs/ assignments/projects to be expected include:

- Installation, configuration and implementation of different server/client platforms.
- Attacking and defending Network Securities
- Project Management

Factors worth noting

- The program is instructor led
- The program is available full time



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Get There...*

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