



NETWORK SECURITY DIPLOMA

Part-Time Program

As computer hackers continually develop new ways to gain access into our networks, business and industries combat these attacks with the aid of skilled network security specialists. As a result Security and Voice-Over IP are currently two areas in high demand in computer networking employment. Graduates from the Network Security Diploma program will acquire the IT security skills to help mitigate threats to organizations and gain marketable skills in these employment sectors. Manitoba Job Futures has identified the following job classifications as high growth occupations: Network Security Specialist, Network Administrator, Network Technician and Internet Server Administrator.

The Network Security Diploma program is a joint programming initiative between the University of Winnipeg Division of Continuing Education and Winnipeg Technical College (WTC). This diploma program blends the opposable elements of hands-on learning with the theoretical/conceptual nature of IT security. Graduates will have an in-depth knowledge of and training in various protocols, network standards, designs and security solutions. This program actively integrates the dynamics of WTC's Regional CISCO Academy with the University's cryptography and security schematics.

PROGRAM REQUIREMENTS:

Required Courses:

- Information Assurance and Security Level 1: Information Security Management (18 Hours)
- Information Assurance and Security Level 2: Cryptography and Encryption (18 Hours)
- Information Assurance and Security Level 3: Safeguards and Countermeasures (18 Hours)
- Information Assurance and Security Level 4: Incident Response (24 Hours)
- Windows Administration Level 1 (21 Hours)
- Windows Administration Level 2: Networking Infrastructure (21 Hours)
- Windows Administration Level 3: Active Directory (21 Hours)
- Unix Administrator Level 1: Linux OS Power User (21 Hours)
- Unix Administrator Level 2: Linux OS System Administrator (21 Hours)
- Unix Administrator Level 3: Linux OS Web Master (21 Hours)
- CCNA IP Telephony and VOIP Security (40 hours)
- CCNA Security – Firewalls and VPNs (40 Hours)
- Wireless Implementation, Administration and Security (18 Hours)
- Project Management for IT Professionals (36 Hours)
- Ethical Hacking (24 Hours)
- Ethics in IT (24 Hours)
- Computer Forensics (24 Hours)
- Cisco CCNA Level 1 (40 Hours)
- Cisco CCNA Level 2 (40 Hours)
- Cisco CCNA Level 3 (40 Hours)
- Cisco CCNA Level 4 (40 Hours)



PARTNERSHIP: WINNIPEG TECHNICAL COLLEGE

Winnipeg Technical College brings a wealth of knowledge to our students with state-of-the-art CISCO Labs and integrated hands-on approach to learning. The program is unique as it combines the strengths of both a technical college and a university. Winnipeg Technical College is a Regional Cisco Academy and provides excellent job skills training. Courses are delivered at Winnipeg Technical College and The University of Winnipeg Division of Continuing Education.

GETTING STARTED:

To attend a class:

- Submit a completed Course Registration Form to our Registration Office.

To enroll in a program:

- Submit a completed Application for Admission form to our Registration Office.

Courses begin at various times throughout the year. It's never too late to get started.

CHECK OUR WEBSITE FOR LATEST OFFERINGS AND COURSE INFORMATION

ACADEMIC ADVISING:

For more information or to create your individualized learning plan contact Cathy at 204.982.1156, c.domke@uwinnipeg.ca or Cori at 204.982.1704, co.reimer@uwinnipeg.ca

CAREER OPPORTUNITIES:

- Security Specialist
- Network Administrator
- Internet Server Administrator

FAST TRACK OPTIONS:

If you would like to finish your program faster there may be courses available during the day. Call us to find out.

TUITION:

Courses are paid for at the time of registration, the cost per course varies. Please check our website for current prices.

LOCATION:
The University of Winnipeg
Professional, Applied &
Continuing Education
Buhler Centre
460 Portage Ave
Winnipeg, MB

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The University of Winnipeg
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