Network Security Certificate

Students who complete this program will gain a *Network Security Certifcate* and an *Information Assurance and Security Certificate.*

Duration: 520 Course Hours

Tuition: $8,525 approximate cost of program

Next Intakes: Beginning of Fall, Winter & Spring terms

THE UNIVERSITY OF
WINNIPEG
PROFESSIONAL, APPLIED AND
CONTINUING EDUCATION

MANITOBA INSTITUTE OF
TRADES AND TECHNOLOGY

CISCO
Networking
Academy

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NSC

Duration: 520 Course Hours

Tuition: $8,525 approximate cost of program

Flexible Start Dates:
Beginning of Fall,
Winter & Spring terms*

Courses may have pre-requisites.

Network Security Certificate
Part-Time Program

The Network Security Certificate program is a joint programming initiative between The Professional, Applied & Continuing Education (PACE) and Manitoba Instiute of Trades and Technology. 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 MITT's Regional CISCO Academy with the PACE's cryptography and security schematics.

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. Graduates from the Network Security Certificate program will acquire the IT security skills to help mitigate threats to organizations and gain marketable skills in these high-growth employment sectors.

Graduates of this program are also eligible for the Information Assurance & Security Certificate.

CURRICULUM

The program consists of 520 hours of required courses.

Required Courses (520 Hours)

- 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)
- Cisco CCNA Level 1 (70 hours)
- Cisco CCNA Level 2 (70 hours)
- Cisco CCNA Level 3 (70 hours)
- Cisco CCNA Level 4 (70 hours)
- Windows Server Administration (63 hours)
- Unix Administrator (63 hours)
- Project Management for IT Professionals (36 hours)

GETTING STARTED

- **To attend a class:**
  Complete and submit a Course Registration Form to the PACE Registration Office*

- **To enroll in a program:**
  Complete and submit an Application for Admission Form to the PACE Registration Office*

  Courses begin at various times throughout the year. Check our website for the latest information on current offerings, fees and pre-requisites.

TUITION

$8,525* approximate cost of program

Course fees paid at the time of registration. The cost per course varies. Some courses may require textbook(s) at an additional cost. Please check website for current course fees.

PROGRAM DURATION

Students may take courses in any order as long as required prerequisites are met. Students have up to five years to complete the 520 required course hours.

OUTCOMES

Upon completion of this program, students should be able to:

- Understand network theory and Internet security applications.
- Organize and design security policies.
- Protect and construct secure networks.
- Detect and counterattack possible threats.
- Understand network hardware components.

CAREER OPPORTUNITIES

Graduates have established exciting careers in the following areas:

- Security Specialist
- Network Administrator
- Internet Server Administrator

INSTRUCTORS

Qualified instructors are selected for their professional experience and work in the industry. PACE instructor profiles can be found at **pace.uwinnipegcourses.ca/instructors**.

ACADEMIC ADVISING

To get more information on the Network Security Certificate or to create an individualized learning plan contact a career advisor at (204) 982-6633 or email pacept@uwinnipeg.ca.

FAST-TRACK OPTIONS

There may be options for part-time students who wish to complete a program faster. Contact us to find out about fast-tracking your program by taking day-time courses.