



# INFORMATION ASSURANCE & SECURITY CERTIFICATE

## Part-Time Program

Demand for technical security and information assurance professionals has risen dramatically in recent years. This is due to factors including changes to Canada’s privacy laws and the need to protect and certify data in light of increased attacks by malicious software. This four course series is core to understanding Information Assurance issues and methodology, such as what is “Information Assurance”, how is data verified and encrypted, what safeguards should be taken with the data you are trying to protect, and what is a proper incident response to an attack or security breach.

### PROGRAM REQUIREMENTS:

#### Required Courses (78 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)

Note: The Information Assurance & Security Certificate may be used towards the completion of the following diploma programs:

- Internet Site Administration Diploma
- Network Security Diploma

### GETTING STARTED:

To attend a class:

- Complete & submit a Course Registration Form to the UWDC Registration Office.

To enroll in a program:

- Complete & submit an Application for Admission Form to the UWDC 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](mailto:c.domke@uwinnipeg.ca) or Cori at 204.982.1704, [co.reimer@uwinnipeg.ca](mailto:co.reimer@uwinnipeg.ca)

### PROGRAM OBJECTIVES:

- Understanding of basic security, legislation, threats, policies, procedures and security-management issues.
- Understanding of key concepts of encryption, countermeasures and safeguards.
- Understanding of strategic, conceptual and pragmatic approaches to incident response.

### CAREER OPPORTUNITIES:

- Network Security Officer
- Technical Security Officer
- Network Security Consultant

### STARTING POINT:

- Info Assurance & Security Level 1
- Courses with pre-requisites must be taken in order.**

### 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  
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