



**KENSLEY  
COLLEGE**

# Cybersecurity & Ethical Cyberpiracy



Duration  
**2 years  
(4 Semester)**



Language of Instruction  
**French/  
English**




Sessions  
**January, May,  
September**



Delivery Options  
**Hybrid  
(On-Campus and Virtual)**

**DLI# O265645296910**

**[www.kensleycollege.ca](http://www.kensleycollege.ca)**



Cybersecurity is a growing field that aims to protect organizations from digital attacks, threats and data breaches. This field offers a variety of job opportunities.

## RELATED JOBS

- Information Security Analyst
- Information Security Manager
- Security Developer

## COURSE OBJECTIVES

This program will allow you to meet the needs of a wide variety of organizations.

In college, you will explore modules that will prepare you to meet the challenges of security. You'll study not only the critical issues involved in using the internet and protecting data as a whole, but also the ethical frameworks that will help make you a unique professional.

## WHAT WILL YOU LEARN?

- The basics of computer network security.
- Network security threats, attacks, controls, agreements and devices.
- The use of a security firewall, VPN and IDS management system.
- Networks, telecommunications, web and computer systems.
- Security agreements in place for multiple operating platforms.
- Hacking skills, with authorization, to audit existing and potential weaknesses
- Defensive and corrective measures to protect systems from malicious network attacks.
- Various cyber vulnerabilities and computer exploitation.
- Communications protection and web technology.
- How to copy and write program code.
- Soft skills to be learned in the field, such as report writing and teamwork.
- Command line control, operating system concepts, communications and various protocols.

## ADMISSION REQUIREMENTS

A person with training deemed sufficient by the college and who meets one of the following

conditions is eligible for a program leading to an attestation of collegial studies (ACS):

Has interrupted his or her studies for at least 2 consecutive sessions or 1 academic year

Is covered by an agreement between the college and an employer or benefits from a government program.

Has pursued, for a period of at least 1 year, post-secondary studies Holds a diploma of vocational studies

## REQUIRED EQUIPMENT

The student must have their personal laptop with Windows (64 bit) operating system.

### Specifications:

**Processor:** Intel I5 or AMD A8

**Memory:** 8 GB or more

**Speed:** 2.0 GHz

**Hard disk:** 1 TB or more

**Display:** 14 inches or more

**Connectivity:** USB 3.0, WIFI and NIC LAN.

**Cybersecurity Ventures estimates that there would be nearly 3.5 million job openings worldwide by 2021**