



CYBERSECURITY AND ETHICAL CYBERPIRACY LEA.DF

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.

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

RELATED JOBS

- ◆ Information Security Analyst
- ◆ Information Security Manager
- ◆ Security Developer

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)

- (1) The person has interrupted his or her full-time studies or pursued full-time postsecondary studies for at least 2 consecutive sessions or 1 academic year
- (2) The person is covered by an agreement entered into between the college and an employer or by a government program of studies.
- (3) The person has interrupted his or her full-time studies for one term and pursued full-time postsecondary studies for one term
- (4) The person holds a Secondary School Vocational Diploma.

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

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.

CREDENTIAL

Attestation of Collégial Studies
AEC



Duration

12 or 20 months



Sessions

January, May,
September



Language of
Instruction

French/English



Delivery Options

Hybrid

(On-Campus and Virtual)