APPLIED CYBERSECURITY (CERT.) (30 CREDITS)

Offered by: Technology & Innovation
Program credit weight: 30

Program Description

This online program focuses on the foundational skills and competencies necessary for cybersecurity personnel. The program includes both theoretical and practical experiences in IT networking and secure network infrastructures designed to anticipate and project against cyber threats, fraud, data breaches and other vulnerabilities.

Please click here for information on additional requirements for students pursuing this online program: https://www.mcgill.ca/study/2024-2025/university_regulations_and_resources/undergraduate/gi_online_distance_programs

Note: For information about Fall 2025 and Winter 2026 course offerings, please check back on May 8, 2025. Until then, the "Terms offered" field will appear blank for most courses while the class schedule is being finalized.

Required Courses (30 credits)

Expand allContract all

Course	Title	Credits
CCCS 300	Programming Techniques 1.	3
CCCS 321	Operating Systems Administration.	3
CCCS 431	Networking Fundamentals.	3
CCCS 450	Access Control and Defence Methods.	3
CCCS 451	Communication and Network Security.	3
CCCS 452	Security Program Architecture and Engineering.	3
CCCS 453	Security Risk Management and Governance.	3
CCCS 454	Security Incident Response and Recovery.	3
CCCS 455	Intrusion Testing and Security Assessment.	3
CMIS 422	Information System Security.	3