

CYBERSECURITY (GR. CERT.) (15 CREDITS)

Offered by: Information Studies (Faculty of Arts)
Program credit weight: 15

Program Description

The Graduate Certificate in Cybersecurity is an online program that focuses on the fundamental concepts of cybersecurity: threats, cryptography, and vulnerability; the types of cyber-attacks, how they are implemented, and commonly-used hardening techniques and controls; threat and risk assessments at the network system, operating system, and software application levels; the security readiness of an organization; cybersecurity incidents and how to communicate them within an organization; policies to meet current security standards for an organization to adopt; ethical concerns in terms of security, privacy, and information guidelines and policies within national and international contexts. While majority of the course components will be delivered asynchronously, a very small number of activities may require students to perform synchronously.

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 (15 credits)

Expand allContract all

Course	Title	Credits
INFS 680	Introduction to Information Security and Cryptography.	3
INFS 681	Modern Software Exploitation and Defence.	3
INFS 682	Network and Endpoint Security.	3
INFS 683	Windows and Linux OS Hardening.	3
INFS 684	Information Security Management.	3