

Computer Network and Cybersecurity Diploma

ADMISSION REQUIREMENTS

ENGLISH

English Studies 12 (or equivalent) with a minimum of 73%

MATHEMATICS

Pre-Calculus 12 or Foundations of Math 12 (or equivalent) with a minimum of C+ within the last 2 years

PROGRAM STRUCTURE

YEAR 1

SEMESTER 1 (15 credits)	GRADE	SEMESTER 2 (15 credits)	GRADE
CNCS 1110 – Fundamentals of Computer Studies (3)		CNCS 1210 – Data Structures and Database Basics (3)	
MATH 1650 – Mathematics for Computing Science (3)		CNCS 1220 – Intro to Security Basics (3)	
COMP 1110 – Introduction to Computer Programming (3)		CNCS 1230 – Network Virtualization and Infrastructure Design (3)	
CNCS 1120 – Intro to Computer Networks (3)		CNCS 1240 – Intro to Cybersecurity (3)	
Integrated Security Practice I (3 x 1-credit courses)		Integrated Security Practice II (3 x 1-credit courses)	
CNCS 1150 – Computer Studies (1)		CNCS 1250 – Data Structure and DB (1)	
CNCS 1160 – Python (1)		CNCS 1260 – OS Security Basics (1)	
CNCS 1170 – Computer Networks (1)		CNCS 1270 – Intro to Cybersecurity (1)	

YEAR 2

SEMESTER 1 (15 credits)	GRADE	SEMESTER 2 (15 credits)	GRADE
CNCS 2110 – Security Operations & Malware Analysis (3)		CNCS 2210 – Internet of Things & Industrial Network Security (3)	
CNCS 2120 – Web and Cloud Security (3)		CNCS 2220 – Emerging Security Technologies (3)	
CNCS 2130 – Cybersecurity Laws and Ethics (3)		CNCS 2230 – Cyber Incident Response Handling (3)	
COMP 4210 – Ethical Hacking (3)		Integrated Security Practice IV (3 x 1-credit courses)	
Integrated Security Practice III (3 x 1-credit courses)		CNCS 2250 – IoT (1)	
CNCS 2150 – Security Ops and Malware (1)		CNCS 2260 – Emerging Technology (1)	
CNCS 2160 – Web and Cloud Security (1)		CNCS 2270 – Digital Forensics (1)	
CNCS 2170 – Ethical Hacking (1)		CNCS 2240 – Cybersecurity Capstone Project (3)	

NOTES:

- ❖ **Graduation requirements:** Students must complete all 60 program credits with a minimum GPA of 2.0 to graduate.
- ❖ The courses will be offered on a **cohort basis**. Students will need to complete the courses in the order as prescribed in the terms
- ❖ Option: a **co-op work term** may be used to count towards the capstone project upon approval of the Program Coordinator.
- ❖ Upon successful completion of the diploma program, students can transfer many of their earned credits toward the **Bachelor of Computing Science (BCS) degree**. These credits will count as elective computing courses.