



## PROFESSIONAL DIPLOMA OF CYBER SECURITY

In recent years, cyber security has become vital in all organizations. There is a growing need to acquire in-demand skills and specialized knowledge in all aspects of cyber security to mitigate this risk. Through lab activities and cutting-edge tools, you will build the professional skills required to pursue a career in cyber security. The Cyber security Program provides training in the basics of cyber security.

The program will focus on information, security procedures, and processes used in all types of business, government and non-profit environments.

The program includes training in security fundamentals, networking and defense fundamentals, identity and access management, cryptography concepts, system administration, logging, monitoring, programming, web security, project management, and threats and vulnerabilities.

The need for cyber security expertise will only increase as our connected world evolves. Gain the ability to anticipate information security risks and implement new ways to protect networks and prevent cyber-attacks of different types.

Program	Professional Diploma of Cyber Security	
Credit Hours	240 Training Hours	
Duration	Academic Year (9 Months)	
SUBJECT	TRAINING HOURS	CODE
English Language 101	20	EN101
English Language 102	20	EN102
Introduction To Information Technology	12	CP241
Operating Systems	16	CP242
Database Management	16	CP243
System Analysis and Design	16	CP244
Networks	24	CP244
C# / C++	16	CP245
Algorithms	12	CP246
Python Programming	16	CP247
JAVA	16	CP248
Cyber Security 1	20	CS232
Cyber Security 2	20	CS233
Graduation Project	16	CS234

- Design & System Architecture - Networking Methodologies - OSINT & Reconnaissance, Footprinting - Wireless Security - Scanning & Sniffing - Enumeration - Threat Analysis & Malware - System Architecture Security - Cloud Computing & Security - Denial of Service: Functionality & Defense - Network Security - Web Application Security - Cryptography - Honeypots & Evading IDS/IPS, Firewall & Configuring