

NCC EDUCATION LEVEL 5 DIPLOMA IN CYBER SECURITY

Equivalent
to the second year
of a bachelor's
degree in the UK

Overview

The Level 5 Diploma in Cyber Security (L5DCS) makes up the second year of the NCC Education degree journey. This builds upon the knowledge gained during the Level 4 Diploma in Computing (L4DC).

This qualification is designed to develop the specialist skills necessary to protect and secure data systems from ever-increasing threats in today's evolving digital society.

Students will study topics including Computer Forensics, Ethical Hacking and Network Security Management.

A balance of academic and vocational learning will provide students with the necessary knowledge and skills essential in many cyber-security job roles.

Upon successful completion of the qualification, students will be able to go on to directly pursue a career in cyber security or complete the final year of a degree at one of the many universities which recognise NCC Education qualifications.

Entry Requirements

- NCC Education Level 4 Diploma in Computing (L4DC) (RQF)
OR
- A local or international qualification deemed to be a similar level to these awards. Candidates in this category whose first language is not English will also require IELTS 5.5 or equivalent.

Delivery Method

Face-to-face classes attended at an Accredited Partner Centre

Duration

Full-time: 1 year
Part-time: 2-3 years

6 Units

120 Credits

Diploma completed full-time in one academic year

Assessment

Coursework assessment through examination

Registration Dates

Registration throughout the year



Qualification Structure

Six core units include:

Networking Security and Cryptography - Provides students with the underlying theory and practical skills required to secure networks and to send data safely and securely over communication networks.

Information Systems Analysis - This module equips students with a range of tools to analyse the function and requirements of information systems, as well as the skills to compare systems analysis models and to examine them in the wider context of the Internet and the social, economic and political climate of an organisation.

Analysis, Design and Implementation - Provides students with in-depth knowledge, skills and experience in the use of object-oriented techniques for the development of software. The unit also develops expertise in object-oriented analysis, design and coding, and the testing of systems.

Network Security Management - Provides students with the skills to eliminate or reduce the risks associated with network vulnerability and protects valuable information held by organisations.

Computer Forensics - Understanding the investigation requirements and prosecution of cybercriminals. Students will learn the necessary processes required for the acquisition, inspection, and reporting of information stored across computer networks related to criminal incidents.

Ethical hacking - Understanding of the concept of 'ethical' hacking and the essential elements; such as information security, threats and attack vectors of information security, hacking and ethical hacking concepts including risk management.



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