

General Enquiries

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HND Computing for England (HTQ) (Network Engineering Pathway)

Location	Stockport College
Course Type	University Level
Department	Computing
Start Date	Monday 13th January 2025
Duration	Full-time, 2 Years
Time	09:00 - 16:15
Fee	£ 8000.00
Course Code	SFP-HI4H-1500

Course Overview

This HTQ is designed to equip students with a robust skill set and in-depth knowledge across diverse facets of computing and network engineering. The first year covers a wide range of topics relating to computer fundamentals including programming, networking and website design which provides the background knowledge required to approach more advanced subjects in the second year and in the final research project.

Security is a paramount concern in today's interconnected world, and the network security content addresses this by providing students with a comprehensive understanding of cybersecurity principles and practices from securing data to safeguarding network integrity. Students gain practical insights into ensuring the confidentiality and integrity of digital assets.

Course Requirements

Whilst applications are considered on an individual basis, offers are usually based on a requirement to have:

64 UCAS points from either:

- A L3 qualification in a relevant subject
- GCE A levels
- An Access to Higher Education Diploma

Successful applicants should have 4 GCSEs at grade C (grade 4) or above including maths and English

Mature students with relevant work experience and/or professional qualifications are welcome to apply and may be invited to interview

What You Will Learn

You will embark on a journey that explores transport network design which delves into the strategic considerations and technical aspects of designing robust and scalable transport networks. The cutting-edge domain of cloud computing will equip students with the knowledge and skills to harness the power of cloud technologies for enhanced scalability, flexibility and resource optimisation in modern computing environments. This provides the underpinning knowledge required when studying business process support.

Assessment

Students are assessed by centre-developed internal assignments and Pearson-set assignments, which target industry-specific skills. Units are assessed using a variety of methods including reports, presentations, practical workshops/labs and portfolios of evidence.

Progression

Students may complete our 1 year BSc (Hons) Computing (Cyber Security) top up or our BSc (Hons) Computing (Software Engineering) top-up, awarded by Sheffield Hallam University. Alternatively students may be eligible to complete a Level 6 top-up degree which may include:

BSc (Hons) Computing

BSc (Hons) in Applied Computing

BSc (Hons) in Business and Computing.

Career Options

On completion students may develop their career in this sector by entering or continuing existing employment. Students may consider roles such as:

Network Administrator
Network Security Engineer
Network Architect
Network Operations Centre Technician
IT Support Specialist

Mandatory Units

At Level 4 you will study:

Programming
Networking
Professional practice
Database design and development
Security Planning and computer project
Computer systems architecture
Website design and development

At Level 5 you will study:

Computing research project
Business process support
Transport network design
Cloud computing
Network security
Internet of Things
Client/Server Computing Systems

Extra Costs Involved

There are no essential additional costs to this course, however, you will need access to a suitable laptop or similar for work outside of teaching hours.

Exam Validation Body

Pearson Education Ltd

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Hours Per Week

12 hours

How Long To Complete

2 years

Programme Structure

The Higher National Diploma (HND) is a Level 5 qualification made up of 240 credits studied over two years

Contact Details

For further information please email HEenquiries@tcg.ac.uk

Disclaimer

Although every care has been taken to ensure that the information contained within this document is accurate, there may be changes to this programme and provision. We will endeavour to keep prospective and current students updated where appropriate and when the information becomes available.