

## 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 16th September 2024
Duration	Full-time, 1 Year
Time	09:00 - 16:15
Fee	£ 8000.00
Course Code	SFP-HI4H-1100

## Course Overview

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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

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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

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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

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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

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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

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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

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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

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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

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Pearson Education Ltd

## Exam Validation Body

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Pearson Education Ltd

## Hours Per Week

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12 hours

## How Long To Complete

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2 years

## Programme Structure

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

## Contact Details

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For further information please email [HEenquiries@tcg.ac.uk](mailto:HEenquiries@tcg.ac.uk)

## Disclaimer

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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.