

## General Enquiries

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## HND Computing for England (HTQ) (Software 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-1800

## Course Overview

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This Level 5 HTQ course is designed to equip students with a robust skill set and in-depth knowledge across diverse facets of computing. The first year covers a wide range of subjects relating to computer fundamentals including programming, networking and website design which provides the background knowledge required, to approach the more advanced subjects in year 2 and to complete the final research project. Over the two year programme, students will embark upon a journey that explores the intricacies of the software development lifecycle, coding standards and debugging techniques.

# 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 in a relevant area

Successful applicants are also required to 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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The course delves into the realm of project management within the IT landscape, emphasising the crucial skills needed for successful project planning, execution and closure. This provides the underpinning knowledge required when studying business process support. SQL and Databases introduces students to database management systems, enabling them to design and implement databases whilst mastering complex SQL queries. Mathematical concepts are integrated throughout the course including discrete mathematics, providing students with the necessary foundation for advanced algorithmic analysis.

## 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 and portfolios and evidence.

## Progression

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Students may complete our one year Level 6 BSc (Hons) Computing (Software Engineering) top up, awarded by Sheffield Hallam University. Alternative top-up degrees may include:

- BSc (Hons) Computer Science (Software Engineering)
- BSc (Hons) Computing and Information Systems
- BEng (Hons)

## 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:

- Software engineer
- Web designer
- Web developer
- IT consultant
- Game developer
- Applications developer
- IT Technical support
- Software tester
- Database administrator

## Mandatory Units

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At Level 4 you will study:

- Programming
- Networking
- Professional practice
- Database design and development
- Security
- Planning a computer project
- Software development lifecycles
- Website design and development

At Level 5 you will study:

- Computing research project
- Business process support
- Discrete maths
- Data structures and algorithms
- Applied programming and design principles
- 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

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Pearson Education Ltd

## Hours Per Week

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12 hours per week

## 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.