Computing and Digital

HNC in Computing

Campus: University Centre Rotherham
Code: U04HE05
Type: Full Time

The BTEC Higher National Certificate and Diploma in **Computing (2022)** provide an enhanced work-related curriculum addressing the need for high-quality professional and technical education at Levels 4 and 5.

These qualifications equip students with relevant skills and competencies for the workplace and for progression to further study. The HND offers several specialist pathways (e.g. Software Engineering, Data Analytics, Network Engineering, Cyber Security) to tailor learning to specific career fields.

Modules Covered

- **Core Units (HNC)**: Programming, Networking, Professional Practice, Database Design & Development, Security and Planning a Computing Project (Pearson-set project)
- **Specialist Unit (HNC):**: One mandatory specialist unit (e.g. Software Development Lifecycles for the general Computing pathway)
- **Optional Unit (HNC)**: One optional unit chosen from a bank of options such as Strategic Information Systems, Management in the Digital Economy, Website Design & Development, Maths for Computing, or Fundamentals of Artificial Intelligence
- **Level 5 (HND)**: The HND comprises the Level 4 units **plus** additional Level 5 units including a substantial Computing Research Project (Pearson-set, typically 30 credits) and specialist modules according to the chosen pathway. For example, an HND (Data Analytics pathway) would include advanced data analysis units, while the Cyber Security pathway covers topics like cryptography and information security. Across all pathways, the HND curriculum totals 240 credits (120 at Level 4 + 120 at Level 5)

Entry Requirements

- GCSE Maths and English at grade C/4 or equivalent
- Level 3 qualification (such as BTEC Nationals in Computing or A-Levels in related subjects) or possess equivalent industry experience to ensure they can successfully engage with the coursework.
- International or non-native English speakers should have an appropriate English proficiency since the qualification is taught and assessed in English

How To Apply

You can apply using our online application form and clicking the **Apply Now** button at the top of the page.

Career Opportunities

Upon successful completion of this course you could go into employment as a Website Designer, Software Engineer, Network Technician, Data Analyst, Internet Marketer or Programmer.

PLEASE NOTE

We make every effort to ensure information within our online course directory is accurate and a true representation of the courses we are offering in 2027-28. However, we do reserve the right to make changes if necessary.

Last updated: 22nd November 2026