Course Information

CITY OF WOLVERHAMPTON COLLEGE

Digital Technologies Pearson Level 5 BTEC Higher Technical Qualification (HND) – Full Time

Study Mode: Full Time

Is this course right for me?

This new and exciting programme is designed to develop the necessary skills and knowledge for employment or progress to university.

The HTQ HND Digital Technologies provides technical training with the skills, knowledge and behaviours crucial to the digital economy, equipping you with the skills to join the digital workforce.

AI Technology is an integral business process in the digital economy across the West Midlands and beyond, so there are growing opportunities for qualified professionals.

After completing this Diploma you will be in a strong position for pursuing jobs within the digital economy including cyber security, software development, data analytics, networking, animation, software testing, business analysis and change management. You could also progress on to further study through a degree, a higher apprenticeship programme or continuing professional development.

Entry Requirements

To access this course, you are required to have:

- Completed the HNC in Digital Technologies or Computing

What will I learn?

During this course you will study: (modules)

- Business Intelligence
- Internet of Things
- Emerging Technologies
- Risk Analysis and Systems Testing
- Application Development
- Application Program Interfaces
- Work-based Learning in the Digital Economy
- Digital Sustainability

What skills will I gain?

By studying this course, you will:

- You will examine the concept of business processing in terms of data capture, conversion and information output.
- You will explore the basic concepts and benefits of IoT in the design and development process of computer applications.
- You will research the role, benefits, disadvantages and potential outcomes that emerging technologies have in the development of software applications and business practices.
- You will learn how to prioritise testing software features according to risk of failure, evaluated as a function of criticality or importance and impact of failure.
- You will explore application development producing a software design document by analysing a business-related problem and deduce an appropriate solution, including a set of initial requirements.
- You will explore the meaning of API’s and learn how to develop a system using existing API’s.
- In coordination with tutors and an employer, you will define the scope, duration, and content of a work-based learning experience.
- You will gained a wide range of knowledge and understanding of the issues and topics associated with sustainability and low impact digital technology solutions.

How will I be assessed?

This is an assignment-based course so there are no exams.

You will be continually assessed throughout the programme and assessment methods used could include:

- Portfolio of work
- Technical assessments (creating and testing programs, going out on work placement)
- Tutor observation
- Reports
- Group presentations
- Peer assessment
- Individual presentations
- Practical group work
- Witness testimonies
- Student-defined project via negotiated briefs
- Evaluative reports
- Reflective journals

What can I do next?

HNC/Ds are designed to give you the practical and vocational skills of a particular field of work which can then lead straight to a career.

You can also use the qualifications to progress within your current career, for example as a steppingstone to gaining professional status.

Please note: City of Wolverhampton College reserves the right to close or not run courses if enrolment numbers are not educationally or economically viable. If this course is unable to run, you will be notified as soon as possible. We apologise for any inconvenience this may cause.

Delivery

Location: City Learning Quarter

Start Date: 12/10/2026

Day:

Time:

Course Fee:

Course Code: Q5410

Study Mode: Full Time

Apply online: **www.wolvcoll.ac.uk/apply**