Computing, Digital and IT

HN Flex Computing - Website Design and Development (Unit 13)

In Brief

Start Date / Duration

This course will start from September. Days and times to be confirmed but this unit will be completed in 14 weeks.

Entry Requirements

We welcome applications from students with prior learning in a relevant subject area at Level 3, and/or previous relevant experience. Evidence should be submitted through the application and interview process.

GCSE English and Maths at grade C/4 or above is also required.

You will achieve

Higher National Flex in Website Design and Development Level 4

On completion of this course, you will have gained 15 credits towards the HNC (Computing) and gained Level 4 knowledge of Website Design and Development.

Course Overview

Our HNC FLEX Computing has been aligned to the occupational standard for the industry. It has been approved by the Institute for Apprenticeships and Technical Education (IfATE). Higher Technical Qualifications (HTQs) are Level 4 and 5 qualifications (such as HNDs/Foundation Degrees/ Diploma HE) that have been approved as meeting occupational standards for the relevant sector.

This single unit offers an insight to a cutting-edge programme aimed at those who are eager to upskill and follow a career in various job roles within the high tech and ever-changing world of Software Development, Cybersecurity and Networking. Students on this programme will have a range of different backgrounds and interests meaning the programme will have a rounded approach to delivery and content.

There are also a range of vendor qualifications available that are recognised within the chosen industry. These qualifications will give you the skills to progress as an IT professional and employers often regard vendor certifications as the industry standard. The course is run from our SciTech Digital

Innovation Hub which offers cutting edge facilities and equipment.

This course is delivered as part of the South Yorkshire Institute of Technology (SYIoT). [https://www.barnsley.ac.uk/syiot/]

Course Content

Having been developed in collaboration with employers in an ambition to meet the needs of the growing demands of the industry, a Higher Technical Qualification provides the opportunity to gain the proper training, knowledge, and skills to be successful in the workplace.

This are worth **15 Credits** combined**.**

This unit introduces students to the underpinning services required to host, manage and access a secure website. Students will then be introduced to and explore the methods used by designers and developers to blend back-end technologies (serverside) with front-end technologies (client-side). To help ensure that new designers are able to design and deliver a site that offers an outstanding User Experience (UX) supported by an innovative User Interface (UI), students will discuss the reasons, requirements, relationships, capabilities and features of the systems they will be using. This gives them an opportunity to explore various tools, techniques and technologies with 'good design' principles in order to plan, design and review a multipage website.

Among the topics included in this unit are: domain structure, domain name systems, web protocols, database servers, development frameworks, website publishing, content management, search engine optimisation, web browsers, HTML standards, CSS and CSS pre-processing (LESS, SASS), presentation models, responsive design, integrated development environments, user requirements, interface design, user experience, branding, navigation, optimisation and validation.

Logo for the Institute of Technology logo [https://www.barnsley.ac.uk/syiot/]

How will I be assessed?

Specific assessment strategies include practical work, written assessments, examinations, case studies, presentations and reports offering the opportunity for students to demonstrate knowledge, understanding and application of both general and specific business principles. Such methods will also allow you to indicate both the breadth and depth of your directed and independent research.

What Equipment Will I Need?

All equipment will be provided.

Where will I study?

SciTech Digital Innovation Centre
Falcon Street
Barnsley
S70 2EY

What can I do next?

After successfully completing the unit and achieving 15 Credits at a Level 4 National Certificate in Computing, you can progress onto other units at Level 4.

How much does the course cost?

The cost of this course is £750. You can study this unit alongside the Cyber Security or Networking unit at no cost until August 2025. For more information, please see below.

Extra information

No Cost for HN Flex Units

Under the Modular Acceleration Programme, Barnsley College is able to offer selected HN Flex units at no cost to students or employers until August 2025. You will not need to repay any tuition fees to study the combined two units as part of this package, although the funding you access will reduce the amount remaining in your future Lifelong Learning Entitlement (LLE) account. This funding can be accessed by any student aged between 19 and 60 who lives in England. Visit the Gov website for more information about the Modular Acceleration Programme [https://www.gov.uk/government/publications/lifelong-learning-entitlement-modular-acceleration-programme/the-modular-acceleration-programme-map] or LLE [https://www.gov.uk/government/publications/lifelong-learning-entitlement-lle-overview/lifelong-learning-entitlement-overview] .

Contact the Information Unit

For further information please contact our friendly Information Team on +44 (0)1226 216 123 or email info@barnsley.ac.uk [mailto:info@barnsley.ac.uk]

Disclaimer

Please note we reserve the right to change details without notice. We apologise for any inconvenience this may cause.

Last updated: 14th November 2024

Want to apply?

Visit **https://www.barnsley.ac.uk/apply** to get started
Call us on **01226 216 123**