

Computing, Digital and IT

HN Flex Computing - Website Design and Development (Unit 13) and Professional Practice (Unit 3)

In Brief

Start Date / Duration

This course will start from September 2024. Days and times to be confirmed but this unit will be completed in 15 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

On completion of this course you will have gained 30 credits towards the HNC (Computing) and gained Level 4 knowledge of Professional Practice and Website Design and Development.

Course Overview

HN Flex modules are a great option for anyone who wishes to increase their skills and knowledge without committing to studying for an entire qualification. In this course you will complete a two 15-credit units within the Computing HNC, which can lead towards a Higher Technical Qualification on complete of both the HNC and HND.

This double 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.

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).

Course Content

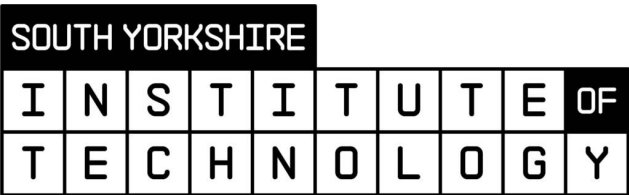
Having been developed in collaboration with employers in an ambition to meet the needs of the growing demands of the industry, a Higher Technical Qualification provides the opportunity to gain the proper training, knowledge, and skills to be successful in the workplace. These units are worth 30 Credits towards a Higher National Certificate.

This unit provides a foundation for good practice in a variety of contexts. The ability to communicate effectively using different tools and mediums will ensure that practical, research, design, reporting and presentation tasks are undertaken professionally and in accordance with various communication conventions.

It covers the development of communication skills and communication literacy and the use of qualitative and quantitative data to demonstrate analysis, reasoning and critical thinking. Students will carry out tasks that require working with others in a team-based scenario and planning and problem solving.

Along side professional practice you will also be working towards credits on website design and development. 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.



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 30 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 £1500 (£750 per unit).

Extra information

Disclaimer

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

Last updated: 9th April 2024

Want to apply?

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