

Computing, Digital and IT

HN Flex Computing - Software Development Lifecycles (Unit 7)

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 15 credits towards the HNC (Computing) and gained Level 4 knowledge of Software Development Lifecycles

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 15-credit unit within the Computing HNC, which can lead towards a Higher Technical Qualification on complete of both the HNC and HND.

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.

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. This unit is worth 15 Credits towards a Higher National Certificate.

The software development lifecycle is an integrated process that promotes building good quality, secure software throughout the entire development process. The aim of this unit is to give students the knowledge and skills needed to understand software development lifecycles so that they can demonstrate their knowledge by implementing a software development lifecycle with a suitable methodology.

The unit introduces students to lifecycle decision making at different stages of the software development process. They will examine various lifecycle models and learn to appreciate their particular characteristics in order to understand for which project environments they are most appropriate. Theoretical understanding will be translated into practical skills through an actual software development lifecycle project. Students will become confident in the use of particular tools and techniques relevant to a chosen methodology.

Among the topics included in this unit are iterative and sequential models of software development lifecycles and reference frameworks for initially capturing conceptual data and information through a feasibility study, and requirement gathering techniques through to analysis, design and software implementation activities.



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?

£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: 13th March 2024

Want to apply?

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