Computing, Digital and IT

HN Flex Computing - Cyber Security (Unit 10)

In Brief

Start Date / Duration

Entry Requirements

You will achieve

This course will start from January 2025. Days and times to be confirmed but this unit will be completed in 15 weeks.

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.

Anyone looking to retrain in a new career or upskill to enhance their existing career can apply if they:

- are aged between 19 and 60
- live in England
- live outside of England but work in England (some further conditions may apply – check eligibility with the provider)

On completion of this course you will have gained 15 credits towards the HNC (Computing) and gained Level 4 knowledge of Cyber Security.

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). [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 unit is worth 15 Credits towards a Higher National Certificate.

Digital technologies provide an opportunity for malicious hackers and cyberterrorists to exploit individuals, government, institutions and large organisation. Defending against cyber-attacks including insider threats is a priority within the digital technologies sector. Cybercrime techniques and attack vectors are fast-growing taking advantage of the speed, anonymity and convenience of the internet as a facilitator for malicious and criminal activity.

This unit has been designed to develop students' knowledge and understanding in relation to cyber threats and vulnerabilities, cyber defence techniques and incident response. Students will explore fundamental principles as well as leading-edge concepts, terminologies, models, and hardening methods. Students will assess the types of malicious activity and potential targets, and the role everyone has for maintaining cyber resilience.

On successful completion of the unit, students will have explored the nature of cybercrime and cyber threat actors; looked into the roles and responsibilities in relation to information assurance; assessed the threats to, and vulnerabilities in, ICT infrastructure; and investigated strategic responses to cyber security threats.

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?

An individual unit costs £750. You can study this unit alongside the 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.

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Want to apply?

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