

Computing, Digital and IT

Cyber Security Technician Level 3 Apprenticeship

In Brief

Start Date / Duration

This apprenticeship programme can be started at any time. The duration of this apprenticeship is typically 18 months.

Entry Requirements

Individual employers will set the selection criteria, but this might include five GCSE's and/or A Levels, a Level 2 Apprenticeship, other relevant qualifications and experience, or an aptitude test with a focus on Functional Maths.

You will need to find an employer to employ you as an apprentice. Please see our [Apprenticeship vacancies](#).

You will achieve

Cyber Security Technician Level 3 Apprenticeship Standard

Course Overview

Save the day and get serious with IT. Start your exciting career as a Cyber Security Technician with us.

The primary role of a Cyber Security Technician is to provide first line cyber security support. This requires individuals to monitor and detect potential security threats and escalate as necessary and to support secure and uninterrupted business operations of an organisation through the implementation of cyber security mechanisms and the application of cyber security procedures and controls.

An employee in this occupation will be responsible for supporting a cyber security function (frequently a Security Operations Centre or Network Operations Centre) working under supervision. The employee will be conducting specific cyber security tasks to defined procedures and standards. Specific cyber security mechanisms and controls that an individual would be required to implement would include patching software, installing software updates, implementing access control, configuring firewalls, security incident and event management tools (SIEM) tools and protection tools (Anti-virus, Anti-malware, Anti-spam).

For further information regarding this apprenticeship standard please click <https://www.instituteofapprenticeships.org/apprenticeship-standards/cyber-security-technician-v1-0> [<https://www.instituteofapprenticeships.org/apprenticeship-standards/cyber-security-technician-v1-0>]

Course Content

The 18 occupation duties include:

- Apply procedures and controls to maintain security and control of an organisation.
- Contribute to the production and development of security culture across an organisation including assisting with the promotion of cyber security awareness programmes.
- Monitoring the effectiveness of cyber security awareness programmes.
- Promoting an effective cyber security culture.
- Process cyber security helpdesk requests ensuring confidentiality, integrity, and availability of digital information.
- Meeting relevant legal and regulatory requirements for example access control requests.
- Conduct the installation and maintenance of technical security controls in accordance with relevant procedures and standards.
- Monitor, identify, report, and escalate information security incidents and events in accordance with relevant procedures and standards.
- Administer cryptographic and certificate management activities in accordance with relevant procedures and standards.

How will I be assessed?

On Programme Assessment will include a mixture of:

- Practical demonstrations
- Work-based projects
- Written assessments
- Portfolio
- Observations
- End point assessment

What Equipment Will I Need?

You will need to provide your own writing materials and a USB stick.

Where will I study?

You will study within the workplace and attend classes at Barnsley College SciTech Centre, Falcon Street, Barnsley S70 2EY.

What can I do next?

You can progress onto a Higher Level Degree and/or Apprenticeship study or apply for a vast array of Digital roles that include:

- Access control administrator

- Cyber security administrator
- Incident response technician
- Junior information security analyst
- Junior penetration tester
- Junior security analyst
- Junior security operations centre (soc) analyst
- Junior threat, and risk analyst

See what careers are available in the Computing [<https://www.barnsley.ac.uk/app/uploads/2023/10/Computing-careers-2023-24.pdf>] and Games [<https://www.barnsley.ac.uk/app/uploads/2023/10/Games-Design-careers-2023-24.pdf>] sectors. Use our online careers tool, Career Coach [<https://barnsley.lightcastcc.com/?radius=®ion=Barnsley>] , to find out what your next steps could be.

How much does the course cost?

There is no cost to being an apprentice. All costs associated with your apprenticeship, including the cost of training and your salary, will be paid by your employer.

Extra information

Contact the Apprenticeship Team

For further information please contact the team on 01226 216166 or email: apprenticeships@barnsley.ac.uk [<mailto:apprenticeships@barnsley.ac.uk>]

Want to join Barnsley Sports Academy and the Sports Village?

Barnsley College has a range of sports opportunities for all students to take part in, gain professional training and compete nationally and internationally. We also have a state-of-the-art fitness village, Honeywell Sports Village [<https://www.barnsley.ac.uk/shops-services/honeywell-sports-village/>] where students can make use of our fitness suite, spinning studio and classes for competitive rates. You don't have to be studying sport to get involved in the Sports Academy [<https://www.barnsley.ac.uk/our-departments/sport/sports-academy/>] .

Additional Learning Support

Our Additional Learning Support team can provide you with the support you need. Please contact them on +44 (0)1226 216 769.

English and Maths

Having good English and Maths qualifications are important for most careers and we want to give you the help you need to succeed.

If you are aged 16 – 19 and don't already have a grade C/4 or above in GCSE English and Maths they will automatically be included in your study programme. If you want to work towards higher grades in English and Maths we can help you do that too.

Need a higher level Maths qualification? We offer a [Level 3 Mathematical Studies \(Core Maths\)](#).

This can be added to your study programme.

If you need any further information, please contact our friendly [Information Team](#).

Disclaimer

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

Last updated: 11th December 2023

Want to apply?

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