

## **Course Title - Cybersecurity Level 2 Award**

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### **About the course**

The purpose of this course is to help you extend on the skills learned in the Cybersecurity Level 1 course and learn how to protect IT systems, networks, and their users from cybercrime. Building on knowledge of the threats, identified in our Level 1 course, you will research the internal and external threats to systems and data that arise from the actions of employees, unauthorised people and malicious software. You will explore IT system vulnerabilities that hackers could exploit to gain access, such as the use of unsupported operating systems and the zero-day vulnerability. You will learn the security measures to protect IT systems and data from current and future threats. The practical side of the course will give you the opportunity to create a user access control system to restrict unauthorised access. You will be able to explain how ethical hacking can be used to protect an IT system or network. At the end of the course, you will have created a portfolio of evidence which will be assessed to obtain the qualification.

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### **What will I learn?**

#### **By the end of the course you will be able to:**

- Describe the types of threat to IT systems and data.
  - Explain the factors that affect the vulnerability of IT systems and data.
  - Explain measures to protect IT systems and data from the current and evolving threats
  - Implement measures to protect IT systems and data.
  - Compare different physical security measures used to protect IT systems and data
  - Summarise current legal and ethical requirements, policies and procedures that exist to protect IT systems and data.
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## **What are the entry requirements?**

- You will successfully complete an Initial Assessment.

### **In addition you should:**

- Know how to use a Word processing application to produce a portfolio of your work.
  - Know how to organise and save files in folders.
  - Know how to use the Internet for research and study.
  - Have a good level of reading and written English.
  - Have passed Essential Digital Skills Level 1 and Cybersecurity Level 1 Award (desirable) or an equivalent qualification.
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## **What do I need to bring with me?**

- You may wish to bring a notepad and a pen to take notes.
  - You may bring your own laptop if you wish; however, devices are on site to be used in the classrooms.
  - Please bring your own headphones or earbuds. Some lessons require watching short videos.
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## **How will my learning be assessed?**

This is an accredited course. You will be assessed through a portfolio of evidence. You will receive an award on the successful completion of all assignments that should be organised in a digital portfolio, ready to present to the awarding body.

Your tutor will give you regular verbal and written feedback to support your progression. You will submit your course work and track your learning in Google Classroom. You will participate in group discussions and receive guidance.

To successfully complete the course your attendance should be a minimum of 85% and course work should be completed by the end of the course. **Please note that the first session is an induction to the course and the centre, therefore it is essential that you attend.** If you for any reason are unable to attend, please let us know and ensure that you read through the induction slides located in your Google Classroom and complete any related tasks.

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### **Devices and digital applications required for online courses**

This is an interactive online course which requires access to a good internet connection and a device with a camera and microphone. We recommend that you download Google Chrome browser if using a laptop or PC. For tablets and smartphones, we recommend you download the Google Meet and Google Classroom apps. We use Google Suite for Education. If you are a new learner with us, we will create an account for you. Details will be sent to your personal email so please check your inbox and spam regularly prior to course start.

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### **What can I do after completing this course?**

- You might consider progression to one of our Community Learning courses – We now have several courses to support learners who are looking for work; or you may consider one of our Adult Skills Vocational or English/Maths courses.
  - We also offer the Essential Digital Skills Qualifications at Entry 3 and Level 1 (please call 0208 583 6000 and ask for an Initial Assessment)
  - At the end of the course your tutor can also advise you on your possible next steps.
  - Our Skills and Employment Team are also available to support and advise – see details at the end of this information sheet.
  - You can call us to find out about all of our upcoming courses on 020 8583 6000 or check our visit our website: [www.hace.ac.uk](http://www.hace.ac.uk)
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### **What will happen if a session is cancelled?**

During the COVID19 pandemic we aim to be flexible and to continue to deliver learning in a safe and inclusive environment, whether this is online or in a physical classroom. If you are isolating and are unable to come to class, speak to your tutor or with one of our staff members and we will do our best to find an alternative solution.

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### **Information, advice and guidance for employment**

- Call 020 8583 6174 to speak to an advisor
  - Email [work@hounslow.gov.uk](mailto:work@hounslow.gov.uk)
  - Visit <http://www.hace.ac.uk/employment-support>
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