

Cyber Security T Level

Welcome to Digital Support and Cyber Security T-Level. We will be delighted to welcome you onto the course in September and helping you to take the next step to a great career.

You will benefit greatly from doing a little study of your own ready for the start of term. Free online courses in any basic Python coding will help you to start understanding the syntax and format of languages, researching computer components and how they work, networking basics and cyber security will aid you.

You will need a PC or laptop at home to be able to complete the homework and assignments that are set throughout the year. Ideally this should be able to run Microsoft office 365 (supplied by the college). If you don't have access to a computer at home, please let us know.

We have added lots of information about the course on the college website:
<https://www.wsc.ac.uk/courses/digital-technologies/265-level-3/11755-cyber-security-t-level-24vf359715> ##Please note this course is being updated and changed awarding body so may still show the old 12 unit criteria##

*Please take time to review this information for **Cyber Security T-Level** and start to get a clear understanding of what you will be doing in the first and second year of the course.*

Summer Project:

Task one:

A key part to this new and exciting course is the 315hrs industry placement

Industry placement will be arranged with the support of the college, but it is also part of the college core values that you take ownership of your own learning and options for the industry placement. Please start to research what companies there are in your own local area. What type of business would you like to work in? Technical and Digital Support can be found in every company and in every sector of the workplace. Some companies will have their own IT support team and others outsource this to IT support companies to provide this service.

List three companies (name, company website address, address and phone number) **you would like to contact for your industry placement that is in your local area or that you would be able to travel to when on work placement.**

TIP "Have a look on company websites to see what they do and make contact with them to find out what IT support they have" . Ask family and friends if they know anyone who works in IT.

Task Two:

Overview:

As part of your progression from a school environment to higher study at West Suffolk College you will be required to take more ownership in research and development. In task 1 you had to identify possible industry placement companies to contact. In task 2 we are looking at the academic study you will be completing in the classroom. Please review the 8 core knowledge units you will be studying in year 1 and start to think about what criteria you will need to research about.

Task:

The knowledge units are broken down into two exams that you will take at the end of year 1.

Core paper 1-

- *Content area 1: Problem solving*
- *Content area 2: Introduction to digital support*
- *Content area 3: Data*

Core paper 2-

- *Content area 4: Legislation and regulatory requirements*
- *Content area 5: Business context*
- *Content area 6: Emerging issues*
- *Content area 7: Digital environments*
- *Content area 8: Security*

Research the 8 content areas using the internet and AI to help you understand how each is used in Cyber security. Create a short PowerPoint with a slide about each content area. Example search “what are the main emerging issues in Cyber Security?” Do you think AI is one?

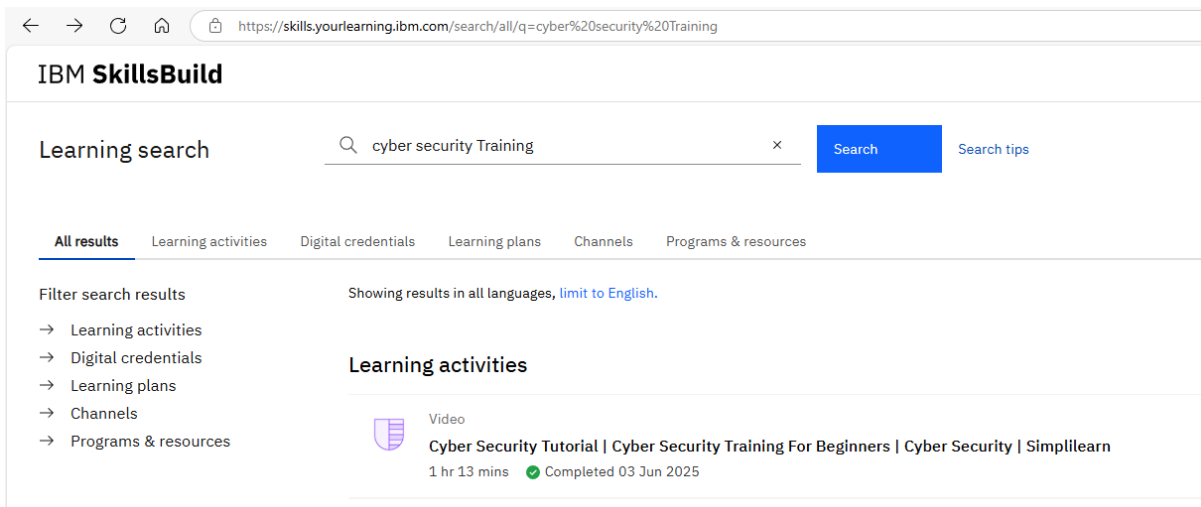
Add a slide about yourself at the start of the PowerPoint to help me know what your hobbies are, why you're interested in Cyber Security or any other information about yourself.

Task Three:

IBM Skills Build

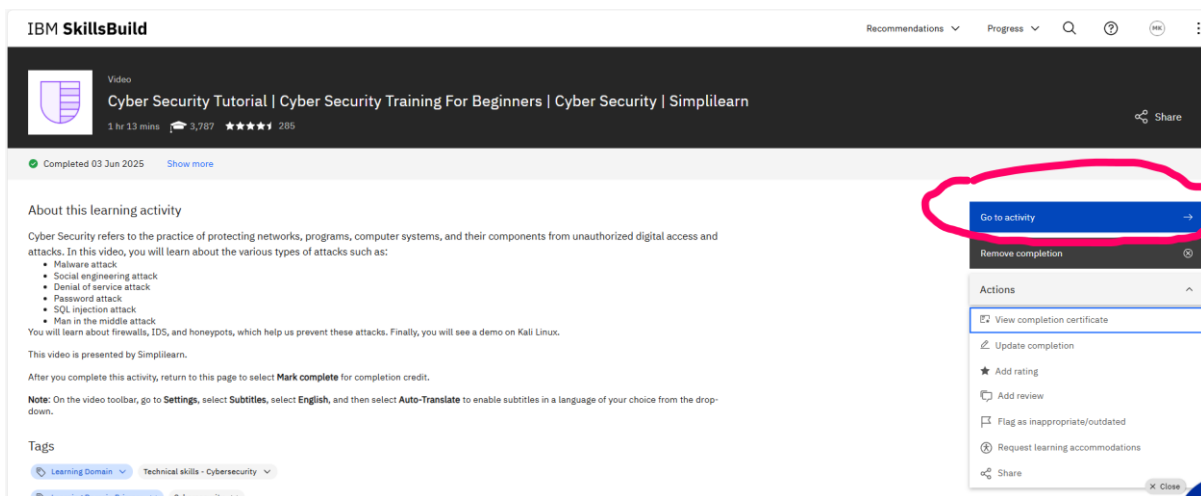
First thing you will need to do is head over to [Free Skills-Based Learning From Technology Experts | IBM SkillsBuild](#) and register.

Once you are registered, search for a cyber security course:



The screenshot shows the IBM SkillsBuild search interface. The search bar contains 'cyber security Training' and a blue 'Search' button is visible. Below the search bar, there are tabs for 'All results', 'Learning activities', 'Digital credentials', 'Learning plans', 'Channels', and 'Programs & resources'. The 'Learning activities' tab is selected. On the left, there is a 'Filter search results' section with links to 'Learning activities', 'Digital credentials', 'Learning plans', 'Channels', and 'Programs & resources'. The main content area shows 'Showing results in all languages, limit to English.' and a list of 'Learning activities'. The first result is a video titled 'Cyber Security Tutorial | Cyber Security Training For Beginners | Cyber Security | Simplilearn' with a duration of '1 hr 13 mins' and a status of 'Completed 03 Jun 2025'.

Select “Cyber Security Training for Beginners” select go to activity and watch the training video



The screenshot shows the IBM SkillsBuild video player interface. The video title is 'Cyber Security Tutorial | Cyber Security Training For Beginners | Cyber Security | Simplilearn'. The video duration is '1 hr 13 mins' and it has '3,787' views and '285' ratings. The video is marked as 'Completed 03 Jun 2025'. Below the video player, there is a section titled 'About this learning activity' which describes the content of the video. A red circle highlights the 'Go to activity' button in the top right corner of the video player. Below the video player, there is a section titled 'Tags' with dropdown menus for 'Learning Domain' and 'Technical skills - Cybersecurity'.

Under the actions tab screenshot your completed digital certificate and add this to your PowerPoint created in task 2.



Deadline Date:

25th August

Submit by [Email:Michael.kerry@easterneducationgroup.ac.uk](mailto:Michael.kerry@easterneducationgroup.ac.uk) and have an online copy ready for your first day in class on 27th August

Useful Websites

<https://www.wsc.ac.uk/courses/digital-technologies/265-level-3/11755-cyber-security-t-level-24vf359715>

<https://www.futurelearn.com/courses/object-oriented-principles>

<https://www.techradar.com/uk/how-to/pc-components>

<https://www.ibm.com/uk-en/cloud/learn/networking-a-complete-guide>

https://www.itonlinelearning.com/blog/why-is-cybersecurity-important-in-2021/?utm_feeditemid=&utm_device=c&utm_term=&utm_source=google&utm_medium=ppc&utm_campaign=EC-Council+CEH+DYNAMIC&hsa_cam=12406597096&hsa_grp=118144063437&hsa_mt=b&hsa_src=g&hsa_ad=515500825136&hsa_acc=1636904472&hsa_net=adwords&hsa_kw=&hsa_tgt=dsa-397031600142&hsa_ver=3&gclid=CjwKCAjwy42FBhB2EiwAJY0yQkPFC7Sge0qTDTynTybF5C0lwsI9tmwdzd6e3ZAwccYZhw6MJJaPgmxoCs2IQAvD_BwE