



# Foundations and Resources for the Community

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2024 ISC2 Cyber Workforce Study

~4 Million

2023

~3.4 Million

2022

~2.72 Million

2021

"The proportion of UK businesses with basic and advanced technical skills gaps has not changed significantly across the 6 years of data."

~44%

Businesses with basic skills gaps

~27%

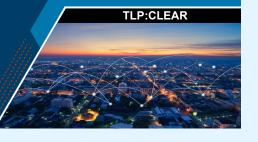
Businesses with advanced technical skills gaps

DSIT Cyber Security in the UK Labour Market Report 2024





#### Defending OT Operations Against Ongoing Pro-Russia Hacktivist Activity

















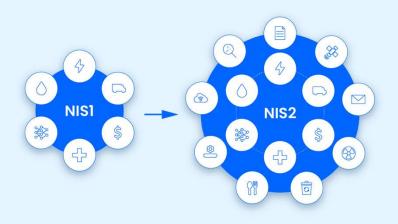




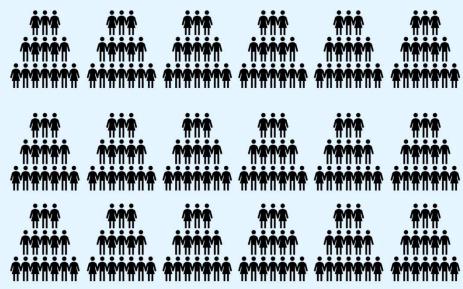










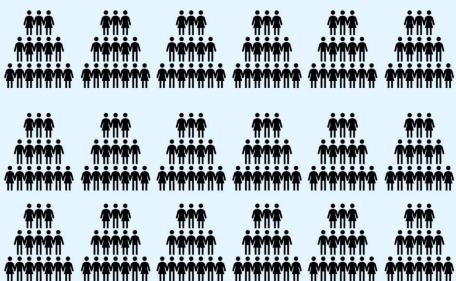


**Cyber Security Skills** 



Knowledge

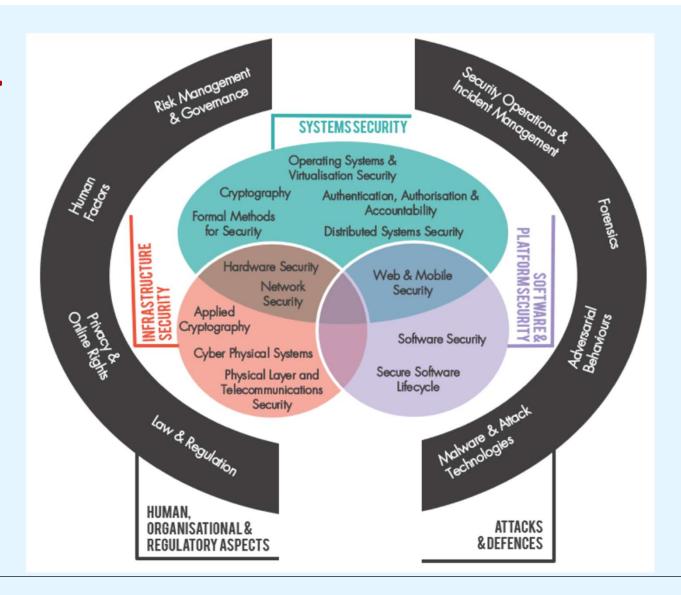




**Cyber Security Skills** 



#### **CyBOK 1.1**





Codify *foundational* and generally recognised knowledge in cyber security following broad community engagement nationally and internationally

A *guide* to the body of knowledge

Focus is on *established foundation* of the subject (not on everything that has ever been written or on still-emerging, nascent, topics)

International effort

For the community by the community

Open and freely accessible

Transparency

>115 Experts: Authors, Reviewers, Advisors

**>1000** Pages

>2200 Authoritative sources

>1600 Comments from wider community

>30 Invited talks, panels and keynotes

**CyBCK** 

Design new university or professional training programmes



Contrasting different programmes



Design new certification schemes



Postgraduate Master's Degrees providing a general, broad foundation in cyber security Based on the Cyber Security Body of Knowledge (CyBOK).

PDF - 797 KB - 54 PAGES



Postgraduate Master's Degrees focusing on a specialised area of Cyber Security Based on the Cyber Security Body of Knowledge (CyBOK).

PDF - 849 KB - 56 PAGES

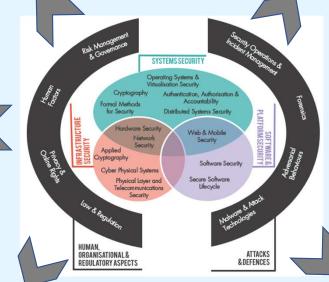


Bachelor's in Computer Science and Cyber

Two certifications; A) providing a general broad foundation and B) focusing on a specialised area of...

PDF - 753 KB - 69 PAGES







Knowledge requirements for job roles



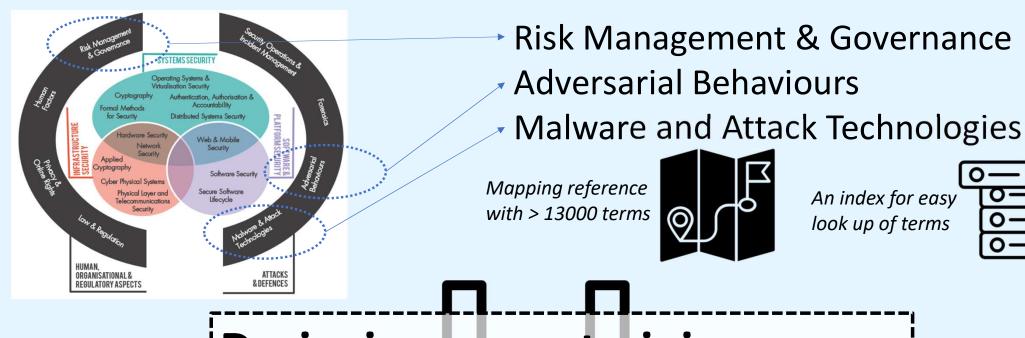
Traceably meeting certification requirements



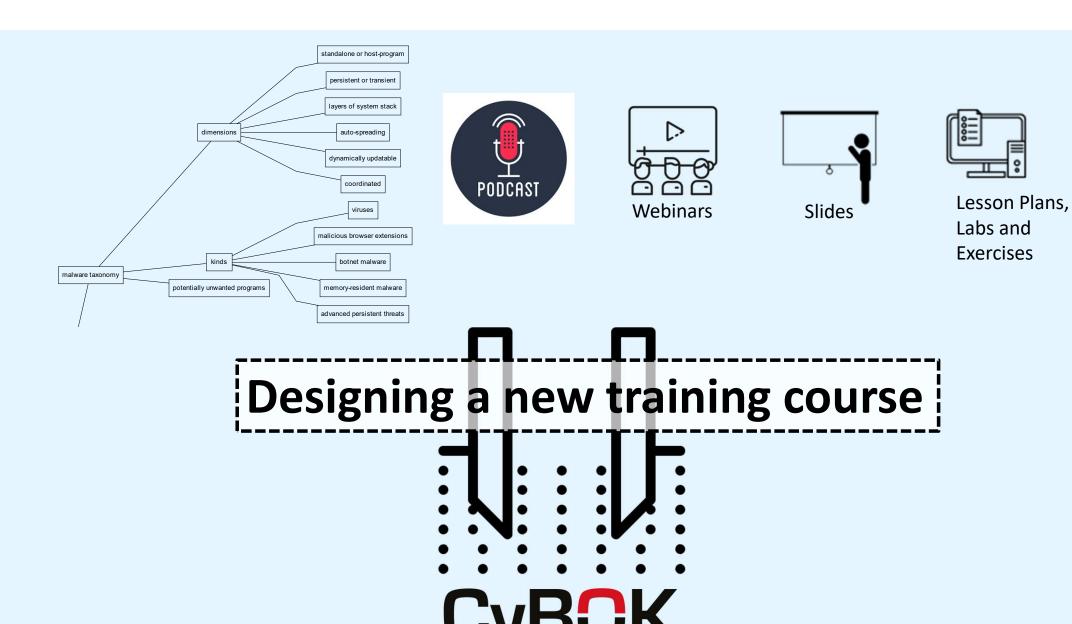
Benchmarking capacity

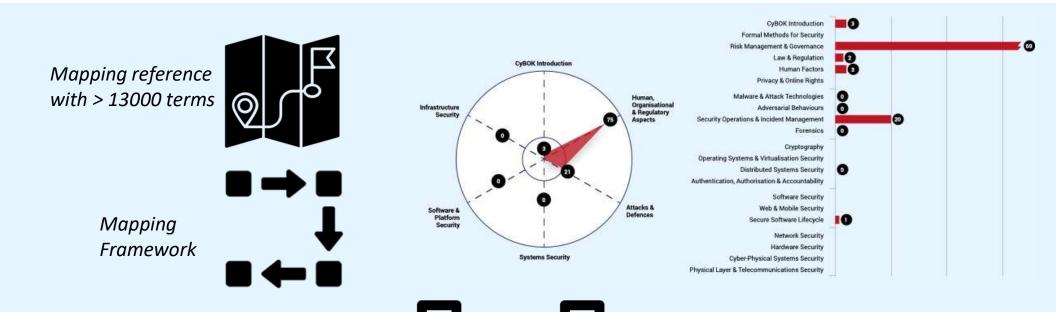




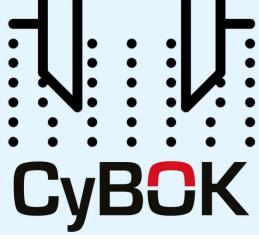


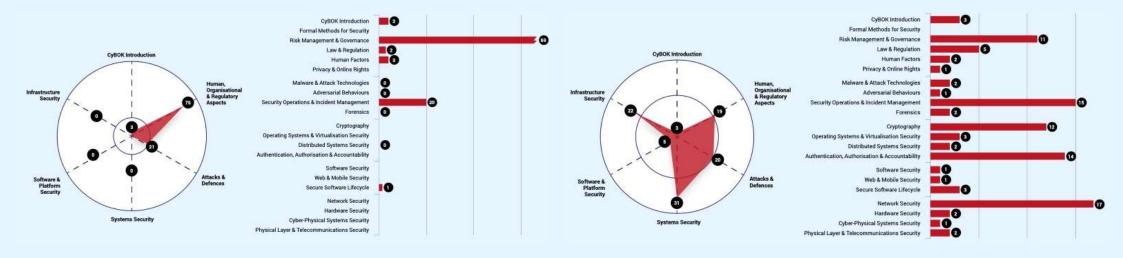


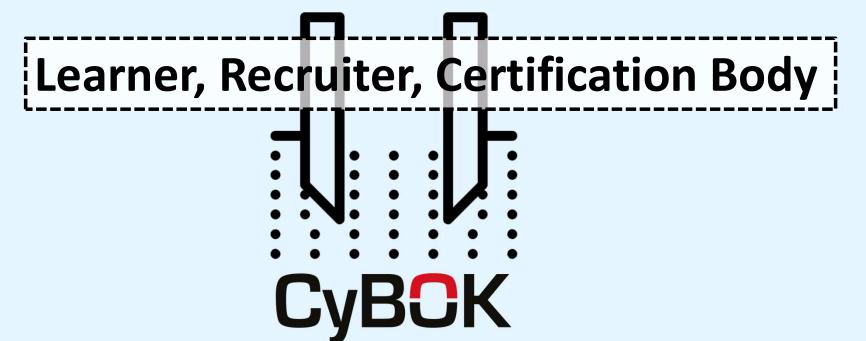




## Showing a course meets training needs







**6 Professional Programmes** 

**51 University Degrees** 

CyBCK
The Cyber Security

**Body of Knowledge** 

Mappings of University and Professional Training Programmes to CyBOK

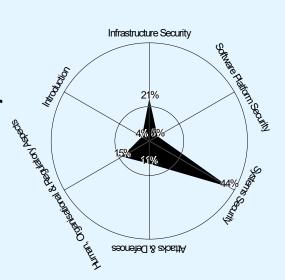


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Mapping Booklet Version 2.2 Mappings are based on either CyBOK v1.0.0 + Formal Methods for Security or CyBOK v1.1.0



NCSC Cyber Advisor (Cyber Essentials)

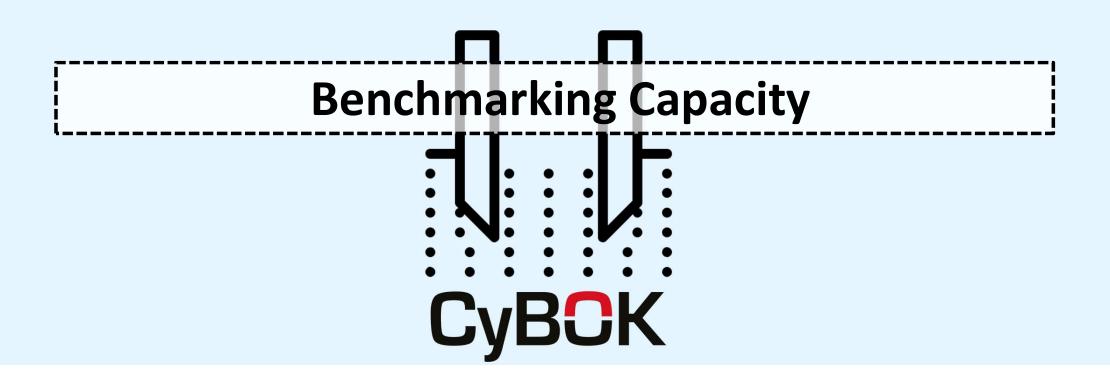


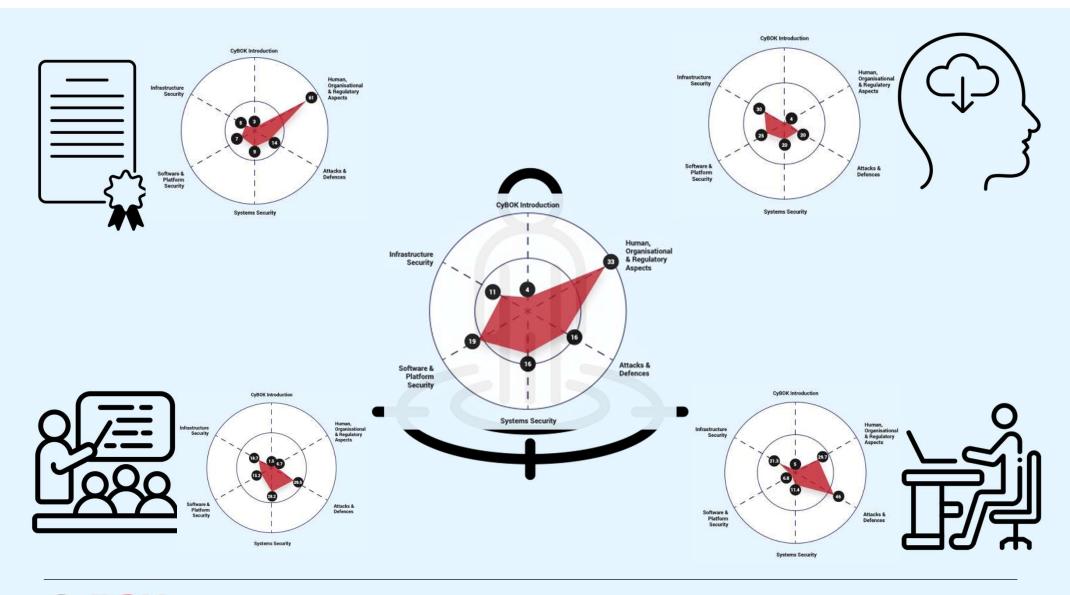


### What knowledge to assess for particular roles?

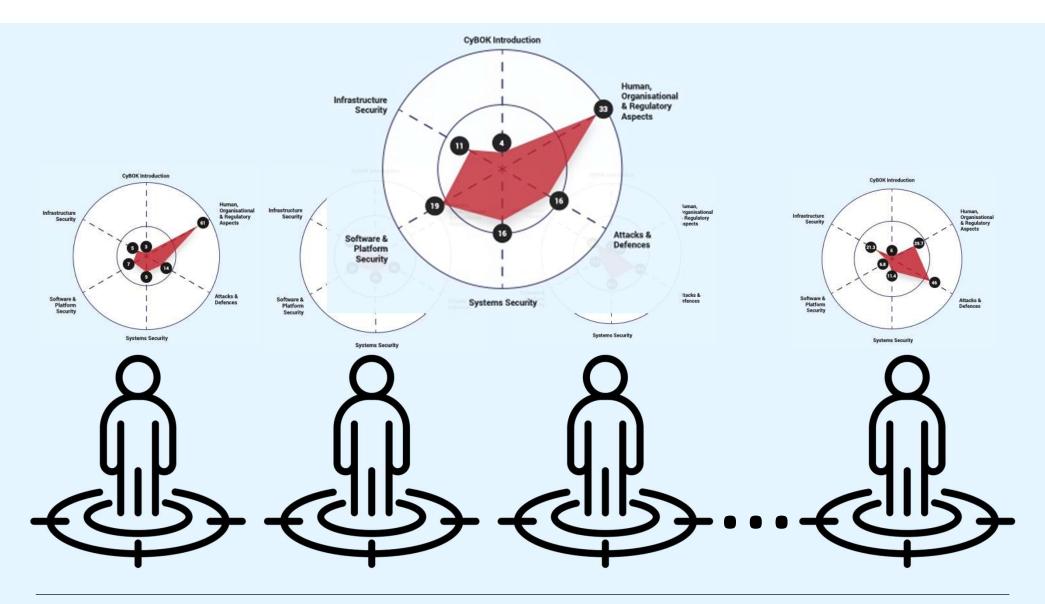


## My organisation's cyber security capability is ...















resources



Practical exercises, labs and CTFs





Case studies



Reports on relevant topics



From To





CyBCK

Community

Interest Company

Now



Summer 2026

Design new university or professional training programmes



Contrasting different programmes



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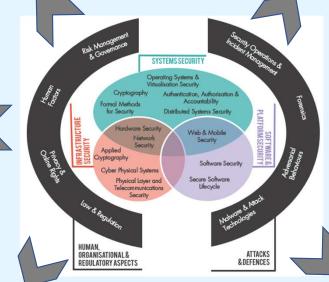


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**Community Interest** Company





Traceably meeting certification requirements



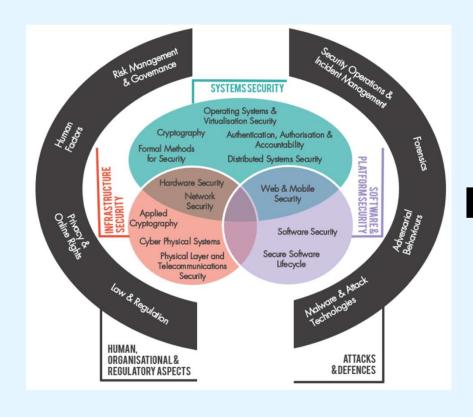




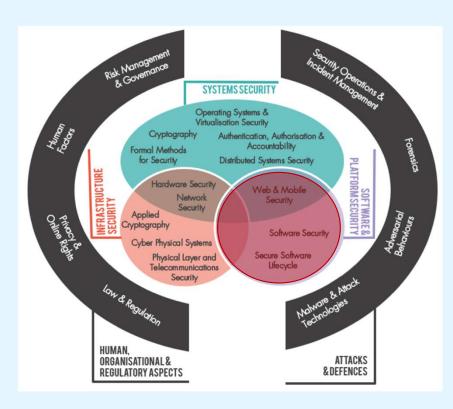


#### From V1.1

#### To V...











resources



Practical exercises, labs and CTFs





Case studies



Reports on relevant topics



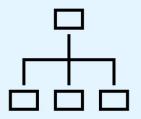
## CyBCK CIC

International effort

For the community by the community

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Governance

Technical Infrastructure

Services

People

Revenue



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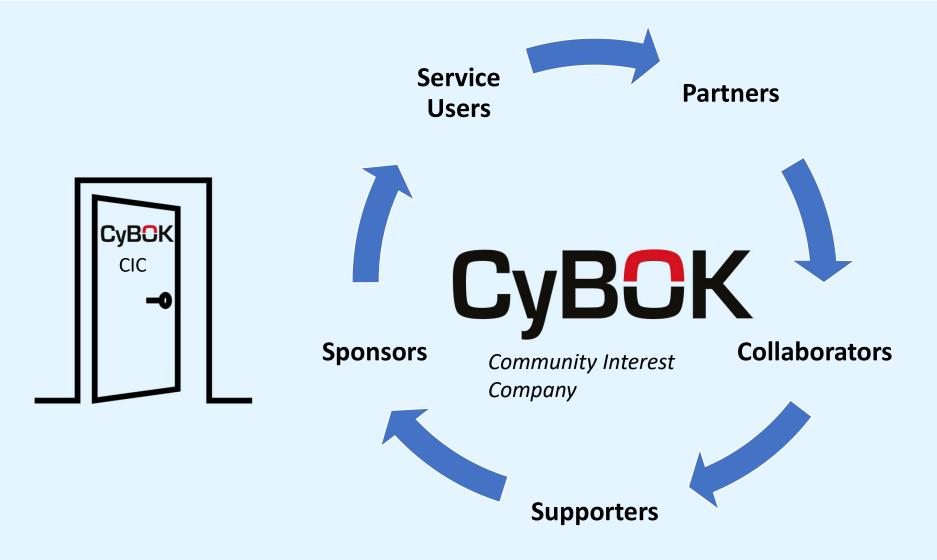
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# For the Community By the Community

# CyBCK

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