

Job of The Week

Cyber Intelligence
Officer

Key Skills

- Knowledge of computer operating systems, hardware and software
- Complex problem-solving skills
- The ability to use your initiative
- The ability to accept criticism and work well under pressure
- Telecommunications knowledge
- To be thorough and pay attention to detail
- Persistence and determination
- Maths skills
- To have a thorough understanding of computer systems and applications

Salary

£25,000 - £50,000

Working hours

35 – 40 per week
Evenings and weekends
occasionally

Aspire | Challenge | Achieve

Cyber Intelligence

Apprenticeship

You could apply to do an apprenticeship, such as:

- Cyber Security Technologist Level 4 Higher Apprenticeship
- Digital Forensic Technician Level 4 Higher Apprenticeship
- Cyber Security Technical Professional Level 6 Degree Apprenticeship
- Advanced Digital Forensic Professional Level 7 Degree Apprenticeship

Entry requirements

4 or 5 GCSEs at grades 9 to 4 (A* to C) and A levels, or equivalent, for a higher or degree apprenticeship
a degree in a relevant subject

University

You can do a degree or postgraduate qualification in one of the following subjects:

- computer science
- computer or cyber security
- mathematics
- network engineering and security
- You could take a postgraduate course in computing or cyber security if your first degree is not in a related subject, or if you have a lot of industry experience.

Entry requirements

2 to 3 A levels, or equivalent, for a degree
a degree in a relevant subject for postgraduate study

Work

You could start work with an IT security firm, for example as a support technician after doing GCSEs or A levels, then work your way up while studying for further qualifications on the job.

Other Routes

If you have a degree or relevant work experience, you could apply for [the MI5 Intelligence and Data Analyst Development Programme](#).

Restrictions and Requirements

For public sector work, you may need to go through UK Security Vetting. This includes:

- A counter terrorist check
 - A security check (SC) - for access to information classified as 'secret'
 - Developed vetting (DV) - for access to information classified as 'top secret'
- For private sector work, you may not need to be vetted unless you're working on government systems.

Career path and progression

With experience, you could become a specialised cyber security lead and then head of cyber security.

You could also work as a freelance security contractor.

Day to Day tasks

- Identify common weaknesses in IT networks
- Use digital resources to gather information and evidence
- Use computer forensics to identify attackers and their methods
- Analyse threats to major security systems
- Monitor new threats and assess their impact
- Keep databases of threats and hackers
- Produce threat assessment reports and recommend actions
- Develop relationships with other organisations and share security knowledge
- Update your skills and knowledge

Working conditions

You could work in an office or at a client's business.

Labour Market Information

In the Careers section of the school website you can find the useful comparison tool the 'Labour Market Information widget'.

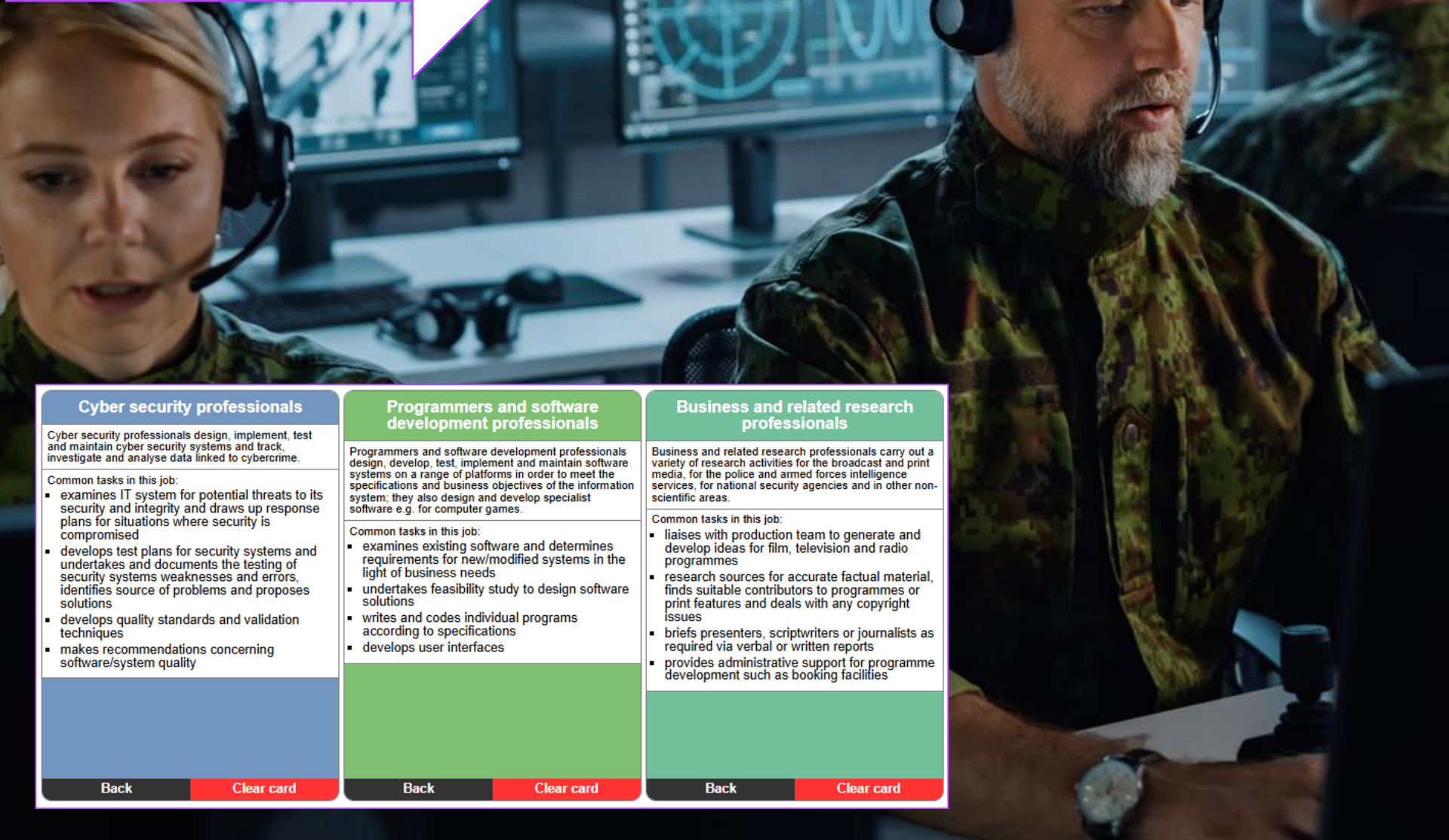
Use the widget to compare different job roles in any employment sector or relating specifically to the 'Job of the Week'.

Cyber security professionals	
Weekly Pay £1,010	Annual Pay £52,520
Hours/Week 40h	Hourly Pay £25
Workforce Change (projected)	
Growth 11.1%	
The workforce is projected to grow by 11.1% over the period to 2035, creating 4,000 jobs.	
You might find this job in Computer programming, etc Head offices, etc Legal & accounting Security, etc Telecommunications	
More info	Clear card

Programmers and software development professionals	
Weekly Pay £1,020	Annual Pay £53,040
Hours/Week 46h	Hourly Pay £22
Workforce Change (projected)	
Growth 11.1%	
The workforce is projected to grow by 11.1% over the period to 2035, creating 55,100 jobs.	
You might find this job in Computer programming, etc Head offices, etc Auxiliary services Retail trade Financial services	
More info	Clear card

Business and related research professionals	
Weekly Pay £760	Annual Pay £39,520
Hours/Week 37h	Hourly Pay £21
Workforce Change (projected)	
Growth 12.2%	
The workforce is projected to grow by 12.2% over the period to 2035, creating 8,900 jobs.	
You might find this job in Health Head offices, etc Education Public admin. & defence Retail trade	
More info	Clear card

Labour Market Information



Cyber security professionals

Cyber security professionals design, implement, test and maintain cyber security systems and track, investigate and analyse data linked to cybercrime.

Common tasks in this job:

- examines IT system for potential threats to its security and integrity and draws up response plans for situations where security is compromised
- develops test plans for security systems and undertakes and documents the testing of security systems weaknesses and errors, identifies source of problems and proposes solutions
- develops quality standards and validation techniques
- makes recommendations concerning software/system quality



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Clear card

Programmers and software development professionals

Programmers and software development professionals design, develop, test, implement and maintain software systems on a range of platforms in order to meet the specifications and business objectives of the information system; they also design and develop specialist software e.g. for computer games.

Common tasks in this job:

- examines existing software and determines requirements for new/modified systems in the light of business needs
- undertakes feasibility study to design software solutions
- writes and codes individual programs according to specifications
- develops user interfaces



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Business and related research professionals

Business and related research professionals carry out a variety of research activities for the broadcast and print media, for the police and armed forces intelligence services, for national security agencies and in other non-scientific areas.

Common tasks in this job:

- liaises with production team to generate and develop ideas for film, television and radio programmes
- research sources for accurate factual material, finds suitable contributors to programmes or print features and deals with any copyright issues
- briefs presenters, scriptwriters or journalists as required via verbal or written reports
- provides administrative support for programme development such as booking facilities



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Keep Looking ...

Use these links to learn more about our Job of The Week, consider the various pathways leading to the career, what you can be doing now to help yourself and other roles in the industry...



Take a look at these short videos for inspiration...

Cybersecurity Careers



[An Introduction to Cybersecurity Careers](#)

Cyber Threat Intelligence



[Cyber Threat Intelligence 101 - What is Cyber Threat Intelligence?](#)

Useful Websites

Further information

You can find out more about working in digital security from the:

[National Cyber Security Centre](#)

[Security Service MI5](#)

[UK Cyber Security Council](#)

If you are under 17 [CyberFirst](#) has a programme of activities including:

- Apprenticeships
- Bursaries
- Competitions
- Courses