

Careers Education



Aspire | Challenge | Achieve

# JOB

OF THE WEEK

Our Job of the week this week is  
**Cyber Intelligence Officer**



# Job of the Week – Cyber Intelligence Officer

## WHAT YOU DO

### In this role you could:

- 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

## SKILLS REQUIRED

### You will need:

- 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

## WHAT YOU WEAR

You may need to wear a uniform if you are working for the military or services. Your attire will be smart/ smart-casual dependant on the location



## WORKING CONDITIONS

You could be working from an office or in a client's business premises

The general conditions will be clean and comfortable

## WORKING HOURS

**35—40**

Evenings/ weekends may be required on occasion

## ANNUAL LEAVE

Usually the standard 27 days plus bank holidays unless self-employed



## ANNUAL INCOME

**£25,000- £50,000**



## EDUCATION & EXPERIENCE

### University

You can do a degree or postgraduate qualification in one of the following subjects: Computer Science, Computer or Cyber Security, Mathematics, Network Engineering & 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

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

### Apprenticeship

You could do a higher apprenticeship like Cyber Security Technologist or Cyber Intrusion Analyst. These apprenticeships typically take 2 years to complete.

You could do a Cyber Security technical professional degree apprenticeship

### Entry requirements

You'll usually need 4 or 5 GCSEs at grades 9 to 4 (A\* to C) and, for a higher or degree apprenticeship you will need A levels, or equivalent

### Additional information

You can find out more about working in digital security from the National Cyber Security Centre and Security Service MIS.



# 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'.

Information technology and telecommunications professionals n.e.c.	Programmers and software development professionals	IT operations technicians												
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<a href="#">More info</a>	<a href="#">Clear card</a>	<a href="#">More info</a>	<a href="#">Clear card</a>											

## Information technology and telecommunications professionals n.e.c.

Job holders in this unit group perform a variety of tasks not elsewhere classified in MINOR GROUP 213: Information Technology and Telecommunication Professionals.

### Common tasks in this job:

- undertakes the testing of software, systems or computer games for errors, identifies source of problems and proposes solutions;
- develops, implements and documents test plans for IT software, systems and computer games;
- 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 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;

Back

Clear card

## IT operations technicians

IT operations technicians are responsible for the day-to-day running of IT systems and networks including the preparation of back-up systems, and for performing regular checks to ensure the smooth functioning of such systems.

### Common tasks in this job:

- administers, monitors and supports internal/external networks, servers, email, database and security systems;
- configures and sets up new server systems;
- schedules and performs system maintenance tasks, such as loading user applications, programs and data;
- analyses systems and makes recommendations to improve performance;

Back

Clear card

To compare the Labour Market Information of different job roles that you might be interested in please visit the Careers section on the school website.



# JOB OF THE WEEK

Discover more about Cyber Security opportunities with these videos:

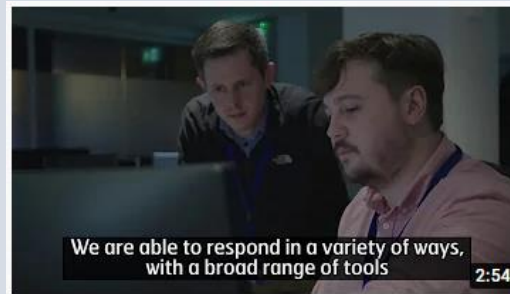
A day in the life of a Cyber Threat Intelligence Researcher



<https://www.youtube.com/watch?v=m9DThWjUuMw>

Study Cyber Security at Birmingham City University

What does a Cyber Security Analyst do at Inmarsat?



<https://www.youtube.com/watch?v=IAFqgmpRJ-g>

Cyber Specialist in the National Crime Agency (NCA)



<https://www.youtube.com/watch?v=rKPTTwxavMQ>



[https://www.youtube.com/watch?v=3RRcD\\_vFI-c](https://www.youtube.com/watch?v=3RRcD_vFI-c)

Cyber Security in the British Army



<https://www.youtube.com/watch?v=udoyvUJK-TI>

Government Cyber Security Apprenticeship



<https://www.youtube.com/watch?v=ViNz08hBos4>

# JOB

OF THE WEEK

Click on the website links to research the job role further:

[Search – UCAS](#)

[Cyber security analyst job profile | Prospects.ac.uk](#)

[Technology Careers | MI5 - The Security Service | MI5 - The Security Service](#)

[Research and academia - NCSC.GOV.UK](#)

[Colleges and Schools | Defence Academy of the UK \(mod.uk\)](#)

[Reserve Cyber Unit | Jobs in the Royal Naval Reserve \(mod.uk\)](#)