



## Careers in STEM: Technology

### Cyber intelligence officer

Cyber intelligence officers help to protect an organisation's cyber infrastructure by employing a range of technologies and processes to prevent, detect and manage cyber threats. Cyber threats can include threats to computers, data, networks and programmes.

Cyber intelligence officers will need to design and monitor security systems in line with the latest developments in technology and developments in cyber security threats to ensure they are one step ahead of any threats. This may include the use of 'ethical hacking' whereby they simulate a security breach to find weaknesses in the system.

Cyber intelligence officers will work in a range of areas either in consultation, offering advice to clients, or working within an organisation to protect their systems. Work will mainly be office based using computers. Cyber security officers may also be called cyber security analysts or cyber intelligence analysts.

Useful skills to work in cyber intelligence are:

- a strong interest in IT systems and cyber security
- knowledge of computer systems, hardware and software
- analytical thinking
- ability to work under pressure with attention to detail

Cyber intelligence officers will have a solid background in STEM subjects and may have a degree in Computer Science or Cyber Security. It is also possible to enter this area through undertaking an apprenticeship in cyber security, which generally require college qualifications like A Levels or BTECs. It is also important to gain relevant work experience, which is often an option in many Degree level courses and apprenticeships, to show you have the skills needed and enable you to demonstrate a passion for cyber security.

Visit the following websites for more information about futures in cyber intelligence:

<https://nationalcareers.service.gov.uk/job-profiles/cyber-intelligence-officer>

<https://www.prospects.ac.uk/job-profiles/cyber-security-analyst>

<https://www.joincyberdiscovery.com/>