

Job title: Cyber Intelligence Officer



Job title:	Cyber intelligence officers gather information about where threats to information technology (IT) systems come from and how they work.
Routes and Entry requirements:	<p>University You can do a degree or postgraduate qualification in one of the following subjects:</p> <ul style="list-style-type: none"> • computer science • computer or cyber security • mathematics • network engineering and security <p>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.</p> <p>You'll usually need:</p> <ul style="list-style-type: none"> • 2 to 3 A levels, or equivalent, for a degree • a degree in a relevant subject for postgraduate study <p>Apprenticeship You could do a higher or degree apprenticeship in:</p> <ul style="list-style-type: none"> • cyber security • cyber intrusion • network engineering <p>You'll usually need:</p> <ul style="list-style-type: none"> • 4 or 5 GCSEs at grades 9 to 4 (A* to C) and A levels, or equivalent, for a higher or degree apprenticeship <p>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.</p> <p>Other routes If you have a degree or relevant work experience, you could apply for MI5's Intelligence and Data Analyst Development Programme.</p>
Skills required:	<p>You'll need:</p> <ul style="list-style-type: none"> • 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'll do:	<p>In this role you'll often be:</p> <ul style="list-style-type: none"> • identifying common weaknesses in IT networks • using digital resources to gather information and evidence • using computer forensics to identify attackers, their motivations and techniques • analysing threats to major security systems • monitoring new and evolving threats and assessing their potential impact • keeping databases of threats and hackers • producing threat assessment reports with recommendations for protective action • developing relationships with other organisations to safely share security knowledge • updating your skills and knowledge <p>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.</p>

What you'll earn:	£31,500 Starter to £50,000 Experienced
Working hours, patterns and environment:	<ul style="list-style-type: none">• Typical hours 35 to 40 a week• You could work evenings/weekends• You could work in an office or at a client's business.
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.