



## WORK INSPIRATION – Information Technology

The Information Technology (IT) sector is one of the top sectors for employment in the UK with a wealth of career opportunities, whether you are looking to work behind the scenes in IT support through to for example, quality assurance, software engineering, web development and cybersecurity. It is constantly changing with developments and advancements in technology.

### General Careers Resources/Information

- **Bring IT On** is a Northern Ireland programme designed to encourage and educate young people about the career pathways into the IT industry. [Why](#) consider a career in IT. [Information](#) for parents/carers
- **Bring IT On** - Some [career videos](#) of people from all areas of the industry
- **NI Careers Service** has produced Careers Occupational Information on a range of 'growth' area careers:
  - Explore careers in [Software Technology](#) - a small selection of videos and an [ezine](#)
  - Explore careers in [Data Analytics](#) - a small selection of videos and an [ezine](#)
- **National Careers Service** section on [computing, technology and digital careers](#). Some of these careers include:
  - Career as a [forensic computer analyst](#)
  - Career as a [computer games developer](#)
  - Career as a [IT Project Manager](#)
  - Career as a [Software Developer](#)
  - Career as a [Web Designer](#)
  - Career as a [Technical Architect](#)
- **BBC Bitesize Careers** section on [Jobs in IT](#). Some of the careers to be explored:
  - Ben – a [Senior Systems Engineer](#)
  - Ozzy – a [Professional Gamer](#)
  - Hannah – a [Software Developer](#)
  - Ellie – a [Cyber Security Apprentice](#)
- **Success at School** - An [article](#) on Why study IT & ICT for your Career

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Northern Ireland

- **Prospects** section on [Information Technology](#) provides an [overview](#) of the UK IT Industry and for those particularly interested in the **gaming industry** there is a section on [video game careers](#). For those that think university might not be for them, there is a section on [IT Apprenticeship](#)
- **Target Jobs** – have an [article](#) looking at the Ten Typical Jobs Graduates Can Do In IT
- **Fledglink** has a number of [free courses](#) that students could try out
- Known as **GCHQ** (Government Communication Headquarters) the intelligence and security organisation responsible for providing signals intelligence and information assurance to the government and armed forces of the UK. has a [careers section](#) for students. They have a [section](#) that includes some activities and games
- **Tech Future Careers** [find out](#) all about the exciting tech roles available in companies from loads of different sectors. Whether you want to work in fashion, music, media or business, there's a tech role for you. They have an interactive [quiz](#) to help you find out what role might suit your skills and personality.
- **The Complete University Guide** has a searchable [list](#) of computer courses
- **UCAS** has subject guides which offers advice on courses available, both degrees, apprenticeships and degree apprenticeships. This guide on computer science also includes details on destinations after studying and profiles some related careers

### Focus on Cyber Security

- **Prospects** focus on [cyber security training](#) and entry level opportunities
- **Cyber Security Challenge UK** From Ada Lovelace, the world's first computer programmer, to Margaret Hamilton, who was instrumental in NASA's moon landing, history is filled with women who have programmed giant leaps for mankind. According to Cybersecurity Ventures, only 20% of the cyber security industry is female. Meet the [Women in Cyber](#), their real-life stories and career advice
- **Cyber Security Challenge UK** – the industry encompasses a broad range of roles. From operations to risk analysis to law, there are a huge variety of interesting career options. [Explore](#) some of the typical roles
- **We Live Security** - Looking for vulnerabilities, securing systems or dismantling them, these are all viable career paths in the cybersecurity industry. [Could one of them be right for you?](#)
- **Digital World** – [showcasing](#) Chelsie from Scotland who works in cyber security. A [focus](#) on opportunities in this area

### University Related

- **Open University** has [details](#) on studying for an ICT degree and the skills you can gain and links to their courses
- **Ulster University** have a [School of Computing](#) and this is a link to their [undergraduate courses](#)
- **Queen's University** [School of Electronics, Electrical Engineering and Computer Science](#) and this is a link to their [undergraduate courses](#)
- **What Uni** [list](#) of Computing & IT degrees

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To find out more about our Work Inspiration programme, please contact [Joanne Mehaffy](#) or visit [www.workinspiration-ni.com](http://www.workinspiration-ni.com)