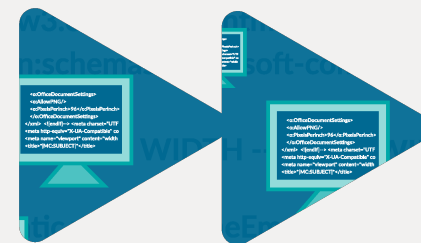


My Learning, My Future

Where can studying Computer Science/IT take you?

Highlighting the relevance of Computer Science/IT
to future careers and opportunities





Why Computer Science/IT matters

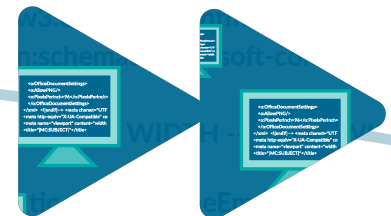
Have you ever considered where studying Computer Science/IT can take you?

Today, we'll be exploring some of the career opportunities that are available to you, as well as the various pathways you can take to get there.

What careers can you think of that use Computer Science/IT?

What do you think these roles involve (daily task, etc.)?

What skills do you think you might need for these roles?





Explore a career as a...

Here are some
example roles and
careers linked to
Computing
Science/IT



Senior System
Engineer

BBC Bitesize Video



Cyber Security
Apprentice/Officer

BBC Bitesize case study



Software
Engineer/Developer

BBC Bitesize case study

BBC Bitesize case study

My Learning,
My Future



Explore a career as a...

Here are some
example roles and
careers linked to
Computing
Science/IT



Business Analyst

BBC Bitesize Video



**Computer Games
Developer**

BBC Bitesize case study

THE CAREERS &
ENTERPRISE
COMPANY



Discover more about the role

Explore careers using [National Careers Service](#) and find out about what jobs involve and how they are right for you

Includes:

- Average Salary
- Typical Hours
- Work patterns
- Pathways/How to Become
- Essential Skills
- Daily Tasks

Research Ideas:

Senior System Engineer
Cyber Security
Apprentice/Officer
Software Engineer/Developer
Business Analyst
Computer Games Developer

National Careers Service

We provide information, advice and guidance to help you make decisions on learning, training and work.

This service is available to people who live in England.

Skills assessment	Explore careers	Find a course
Learn more about your skills and match them to potential new careers.	Choose from over 800 career profiles to discover what each job involves.	Look for online learning opportunities and training courses local to you.
Assess your skills	Search job profiles	Look for courses

Careers advice

Making career choices	Getting a job	Progressing your career
Whether starting your career, changing job or if you have been affected by COVID-19, understand and make the right choice for you.	Be successful in the recruitment process with tips on great CVs, interviews and graduate scheme applications.	Move up in your career by developing new skills. Find opportunities like volunteering and online learning.

About us

The National Careers Service can help you with your career, learning and training choices. [Find out more](#) about the different ways we can support you.

Speak to a careers adviser

Wherever you are in your decision-making, you can call us on [0800 100 900](tel:0800100900) or [use webchat](#).

Follow us

- [Twitter](#)
- [Facebook](#)
- [LinkedIn](#)
- [YouTube](#)



Where can Computer Science/IT take you

Pathways at 16

Example Post 16 Routes

- T-Level Digital Production, Design and Development
- T-Level Digital Business Service
- T-Level Digital Support Services
- A-Level Computer Science
- BTEC Computing
- Level 2/4 Esports Management, Games Development, Games Art, Games Technology

Apprenticeship Ideas

- Cyber Security Technologist
- IT Solutions
- Software Developer
- Infrastructure Technician





Where can Computer Science/IT take you

Pathways at 18

Example Degrees:

- Computing Science
- Computer Game Technology
- Computing and Forensic Security
- Artificial Intelligence
- Software Engineering

Apprenticeship Ideas

- Cyber Security Technologist
- IT Solutions
- Software Developer
- Infrastructure Technician



ICT
WE'VE GOT THE APPRENTICESHIP FOR YOU!

AEROSPACE SOFTWARE DEVELOPMENT ENGINEERS
help to design and implement software, as well as research, develop, build and maintain aircraft or their systems to make them quicker and safer.

SOFTWARE DEVELOPERS
build and test high-quality code across front end, logic and database layers.

CYBER SECURITY TECHNOLOGISTS
manage and deal with cyber threats, hazards and risks to protect organisations, systems and people from harm.

INFRASTRUCTURE TECHNICIANS
set people up on Information Technology (IT) systems, provide support and solve problems to help organisations run smoothly.

DIGITAL AND TECHNOLOGY SOLUTIONS PROFESSIONALS
investigate, identify and implement technology solutions that enable businesses to develop new products and services, as well as increasing productivity.

MORE INFO

There are many other apprenticeships you might be interested in:
Cyber Intrusion Analyst, IT Solutions Technician, Unified Communications Technician, Digital Community Manager, Science Industry Plant Engineer and many more!

Brought to you by
National
Apprenticeship
Service

Visit [apprenticeships.gov.uk](https://www.apprenticeships.gov.uk)
to find out more.

[Read more >](#)



Essential Skills

Here are three key skills needed for a career that uses Computer Science/IT.



The use of imagination and the generation of new ideas

Video

[Watch here](#)

Skills Builder
Resource KS3

[Short Lesson
Listening Step
6-8](#)

Skills Builder
Resource KS4

[Short Lesson
Listening Step
8-10](#)



The oral transmission of information or ideas

[Watch here](#)

[Short Lesson
Speaking Step 6-8](#)

[Short Lesson
Speaking Step
8-10](#)



The ability to find a solution to a situation or challenge

[Watch here](#)

[Short Lesson
Problem Solving
Step 6-8](#)

[Short Lesson
Problem Solving
Step 8-10](#)

My Learning, My Future

THE CAREERS &
ENTERPRISE
COMPANY