

Information Technology and Computing qualifications are highly sought after by many employers.

These qualifications will not only give you the practical skills and knowledge needed but will allow you to gain the analytical skills to be successful, either to progress into industry or on to university. You have the chance to design and create working products that can affect our everyday life. We have a variety of BTEC qualifications at all levels to suit your desired progression route.

Skills and Qualities

- Digital skills
- Problem solving
- Communication
- Precision
- Project management

Career Paths

- Associate software developer
- Social media executive
- Head of digital acquisition
- Ethical Hacker
- Data analyst
- Website operational designer
- Software programmer
- Fiber network planner
- Application support specialist
- ICT technician

Labour Market Info

Engineering and technician roles are in high demand in the UK. 124,000 needed each year.

Advanced engineering urgently needs young people. The creative and digital sectors have grown faster in the Sheffield City Region than anywhere else in the UK.

INFORMATION TECHNOLOGY AND COMPUTING

COMPUTING

BTEC LEVEL 3 EXTENDED CERTIFICATE - 2 YEARS

Entry Requirements: 4 GCSEs at grade 4-9 including English and Maths

EQUIVALENT TO 1 A LEVEL

What will I study?

Alongside core units in communication and employability and computer systems, this course is designed specifically for those students interested in computing rather than ICT in general. Additional units of study on this pathway will include a range from databases, programming, networking and mathematical concepts.

How will I be assessed?

Examinations and assignments.

What can I do next?

Students from this course will go on to university to study computing, e-Business, IT for practitioners and software engineering. The course develops valuable skills for other higher level courses and employment.

"This course is taught in a engaging way that supports effective and insightful learning."

Abdullah - Fir Vale School

INFORMATION TECHNOLOGY

BTEC LEVEL 3 EXTENDED CERTIFICATE - 2 YEARS

Entry Requirements: 4 GCSEs at grade 4-9 including English and Maths

EQUIVALENT TO 1 A LEVEL

What will I study?

You will improve your knowledge and practical skills in IT, including web design and e-commerce, data communications, expert systems and computing, social media for businesses, information systems (databases). You'll find out about how computer systems work and learn how to use different applications. Assignments are based on workplace situations so you will get a real insight into the careers available in IT and what it is like to work in industry.

How will I be assessed?

Examinations and assignments.

What can I do next?

Students from this course have gone on to university to study computing, e-Business, IT for practitioners and software engineering. The course develops valuable skills for other higher level courses and employment.

"I am enjoying the Social Media Unit as it links towards business and the combination of the two, go hand in hand."

Abdullah - Fir Vale School

INFORMATION TECHNOLOGY



"The sixth form provides students with quality teaching and a perfect environment in which to study."
Zimran - Hillsborough College

BTEC LEVEL 3 EXTENDED DIPLOMA - 2 YEARS

Entry Requirements: 4 GCSEs at grade 4-9 including English and Maths

EQUIVALENT TO 3 A LEVELS

What will I study?

You will develop knowledge and practical skills in the field of information and communications technology, including web design and e-commerce, data communications, expert systems and computing, social media for businesses, information systems (Databases), programming, cyber security and incident management, IT services delivery, IT project management, computer game development digital 2D and 3D graphics and digital animation and effects. You will complete practical projects and assignments based on realistic workplace situations and find out about career routes in IT.

How will I be assessed?

Examinations and assignments.

What can I do next?

Students from this course have gone on to university to study information technology management, business information technology, computer and information security, software engineering and network management and design. Some go directly into employment with training.

INFORMATION & CREATIVE TECHNOLOGY



BTEC LEVEL 2 CERTIFICATE - 1 YEAR

Entry Requirements: At least 2 Grade 3s at GCSE

What will I study?

You will learn about computer and information systems, web design, working in the IT industry, database and communications technology. You will learn by completing projects and assignments that are based on realistic workplace situations and find out about jobs in the IT sector. Students will have access to the latest in IT resources, both for lessons and for private study. In addition to the main programme, you will complete a BTEC Work skills qualification.

How will I be assessed?

Examinations and assignments.

What can I do next?

Students from this course have gone on to study the Level 3 Extended Diploma in IT or a combination of A Levels and Applied Generals. Others have chosen to follow an Apprenticeship route.