

# Information Technology

**Level 3**  
**OCR Cambridge Technical**  
*Course Leader: Mr C Jukes*

## Entry requirements

- Students should have five 9 - 4 grades at GCSE (preferably English Language must be attained at grade 4, or higher, due to fairly high proportion of coursework)
- The motivation and enthusiasm to learn new software
- The ability to complete coursework

## Why choose this course?

The Cambridge Technicals in IT have been developed to meet the changing needs of the sector, and prepare you for the challenges you'll face in Higher Education or employment. Designed in collaboration with experts spanning the breadth of the sector, the Cambridge Technicals in IT focuses on the skills, knowledge and understanding that today's universities and employers demand. You will practically apply your skills and knowledge in preparation for further study or the workplace.

These qualifications aims to develop your knowledge and understanding of the principles of IT and Global Information Systems. You will gain an insight into the IT sector as you investigate the pace of technological change, IT infrastructure, and the flow of information on a global scale and the importance of legal and security considerations.

You will also develop professional, personal and social skills through interaction with peers, stakeholders and clients, as well as theoretical knowledge and understanding to underpin these skills. These support the transferable skills required by universities and employers such as communication, problem solving, time management, research and analytical skills.

## Web Links

[www.ocr.org.uk/qualifications/vocational-education-and-skills/cambridge-technicals-it-level-3-certificate-extended-certificate-introductory-diploma-foundation-diploma-diploma-05838-05842-2016-suite/](http://www.ocr.org.uk/qualifications/vocational-education-and-skills/cambridge-technicals-it-level-3-certificate-extended-certificate-introductory-diploma-foundation-diploma-diploma-05838-05842-2016-suite/)

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## Course content

### What does the course involve?

#### Certificate

##### Year 12 units

- Unit 1 Fundamentals of IT (E)
  - Unit 2 Global Information (E)
- Both units are externally examined.

#### Extended Certificate

##### Year 13 units

- Unit 3 Cyber Security (E)
- Two further units which are controlled assessments (coursework that contributes to your overall grade) from a range including: Project management, Product development, Systems analysis and design and Internet of Everything.

#### Diploma

##### Year 12 units

- Unit 1 Fundamentals of It (E)
  - Unit 2 Global Information (E)
- Both units are externally examined.

##### Year 13 coursework

Three further units which are controlled assessments (coursework that contributes to your overall grade) from a range including: Computer networks, Virtual and augmented reality, Application design, Data analysis and design, Project management, Product development, Business computing, Systems analysis and design, Mobile technology, Social media and digital marketing, Software engineering for business, Games design and prototyping, Developing a Smarter Planet, Internet of Everything, Computer systems –Hardware, Computer systems – software, IT technical support, Web design and prototyping and Big Data analytics.

## Possible career pathway

Cambridge Technicals provide a strong base for progression to university, apprenticeships or work and are recognised for UCAS tariff points. Cambridge Technicals are designed to provide learners with the skills required when starting out in their chosen career. We've worked with key industry employers and experts to make sure the Cambridge Technicals in IT provide learners with the right knowledge and competence required when entering into employment. These qualifications will include a range of mandatory, optional and specialist pathway units; allowing learners to really focus on what is right for their chosen career path.

*Note: This is our current offer which is subject to change*