

I'd like to work in...

ICT

Information Communication Technology (ICT) is a huge area ranging from small companies which support individuals with their home PC to blue chip companies with their own IT staff. This sector includes software designers, maintenance, developers, systems analysts and architects, multimedia, network management and satellite communications. Today businesses depend on computers in some form or another, for communicating, organising, advertising and selling, storing information and hundreds of other day to day uses.

What's happening?

Employment opportunities in IT include: selling computers, computer support, computer development, software and hardware design.

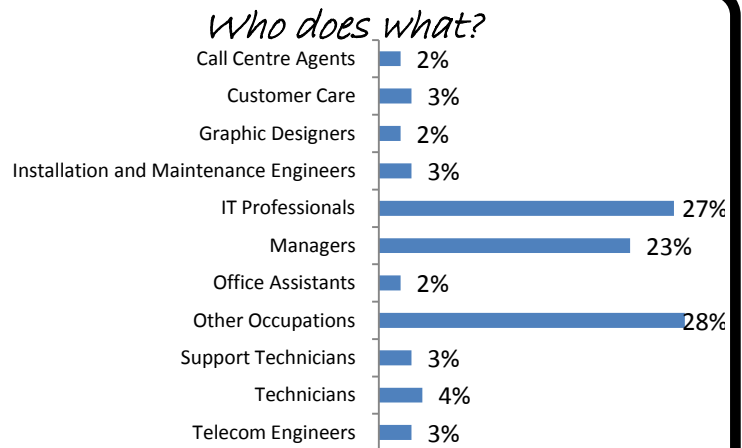
The use of computers and ICT is widespread both in the workplace and in people's homes. 70% of the UK workforce (20 million people) uses IT in their work.

About 890,000 people are employed by IT and Telecoms businesses in the UK. The ICT workforce in the East of England numbers 118,019.

The sector contains the highest proportion of small businesses in the UK.

The ICT sector requires highly-skilled professionals. Employers are particularly interested in people with good team working and problem solving skills, who can communicate well.

The IT sector has been affected by the recession. However, people will not stop using computers and there will continue to be a demand for those who are skilled and well qualified as the recession lifts.



Source: Labour Force Survey 2007, © Crown Copyright. Figures are for England.

How much could I earn?

Computer Engineer, Installation and Maintenance	£27,231
Database Assistant/Clerk	£18,144
ICT Manager	£51,762
IT Operatives Technician	£31,656
IT User Support Technician	£26,375
Software Professional	£38,568

*Salary rates have been calculated using the average gross pay rates for full time workers. Figures are for the United Kingdom. Averages can hide higher earnings. With training and career development, higher salaries can be achieved. Source: Annual Survey of Hours and Earnings 2009, O.N.S., © Crown Copyright.

Local Picture for Hertfordshire

There are 503,402 employee jobs in Hertfordshire, 23,767 are in Information Communication Technology.

Annual Business Inquiry 2008 prepared by HCC. (It excludes members of the Armed Forces, domestic staff in private households, the self-employed, trainees on work related government training programmes who do not have a contract of employment, directors, partners and working proprietors not in receipt of a salary).

Useful subjects... Maths, Graphics, Design and Technology, Electronics, ICT, Physics, Modern Foreign Languages, Business, Economics





What 16 year olds did in 2009?

After finishing year 11 in 2009 the majority (89.8%) of young people in Hertfordshire stayed in full time education. Of these 3,742 chose a vocational course - 225 young people started one related to ICT.

In Hertfordshire 482 young people from year 11 entered full time employment or work related training. 14 of these went into this area of work.

Youth Connexions Hertfordshire

What's possible...

Keep going, you don't know your limits unless you try. There are a number of learning opportunities where you can improve your earning potential. This does not always mean full time study, there are lots of different ways you can learn skills and gain qualifications. Universities and Colleges are creating more flexible, work based, foundation degrees and other qualifications. You could go on to...Artificial Intelligence and Robotics, Networks and Security, Business Information Technology, Ethical Hacking, Forensic Computing or E-Business.

Find out more...

If you're thinking about this type of work - FIND OUT MORE!

Use your Youth Connexions area, visit your local Youth Connexions Centre or One Stop Shop, or the internet for information about jobs, qualifications, local training, further and higher education.

- **Careerscape** (information about careers, employment, education and lifestyle issues) – go to www.careerscape.co.uk. You will need a user name and password to access Careerscape. Schools/Colleges and Youth Connexions Hertfordshire One Stop Shops and Centres can create "User names and passwords". If you have any difficulty obtaining a user name and password please email your name, date of birth, and name of your School/College/One Stop Shop or Centre to infoyouthconnexions@hertscc.gov.uk
- **Job Profiles** – <https://nextstep.direct.gov.uk> – go to *Browse our Job Profiles (Want to be a ...? section)*
- **Working in Booklets** – case studies of people in a variety of jobs. Try your Youth Connexions area, or local One Stop Shop or Centre.

Please contact your Youth Connexions Personal Adviser for further information and advice.

- Freephone: **0800 389 3258**
- feedbackyouthconnexions@hertscc.gov.uk
- www.youthconnexions-hertfordshire.org

Tomorrow's work – what we think will happen

- Industry analysts predict that the sector will continue to grow, though this is likely to be more limited when compared with previous years.
- The East of England has the third largest ICT workforce across the nine English regions. Its share of ICT employment is expected to remain stable over the next ten years.
- While word processing and spreadsheet skills still top the list of IT use it is expected that large numbers of IT users will need to increase their skills to more advanced levels.
- The relatively high wages ensure that the sector is a popular career choice for young people. Entry can be competitive.
- The Government will continue to invest in ICT for the public sector (see Society, Health and Development), and its use will become increasingly important.
- The advent of new technologies, such as broadband internet, digital interactive television and mobile communications will continue to create the need for new jobs and skills in the long term.
- New qualifications, called Diplomas, are being introduced. These will help people prepare for university, college or work. There will be a Diploma in Information and Communication Technology. Look out to see whether it's on offer in your area - www.hertschoices.org.uk



Aimhigher...
Hertfordshire

