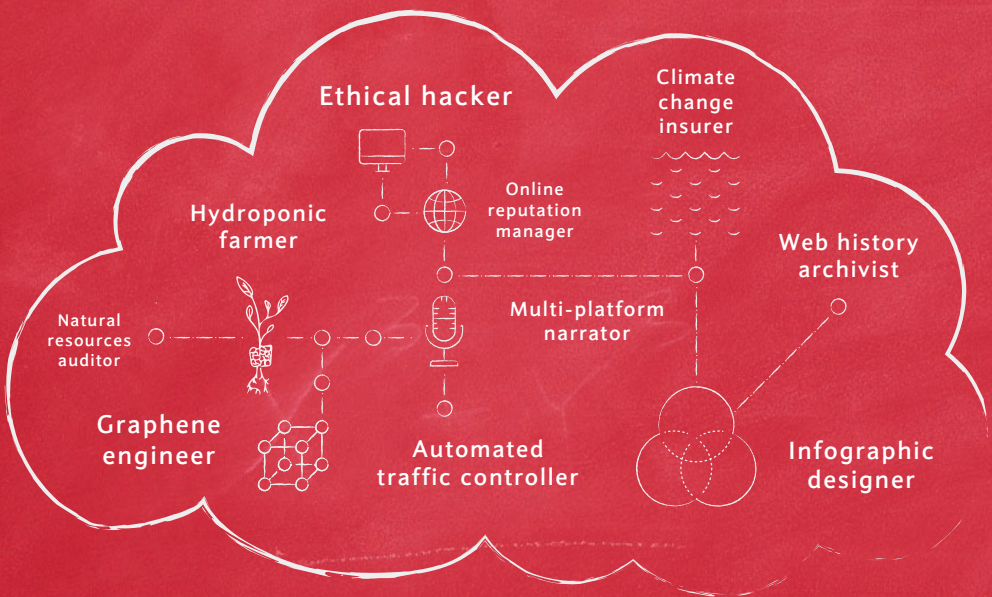


# Your guide to the jobs of the future

The job landscape is constantly evolving thanks to various economic, societal and technological forces at play.

We may start to see new roles emerge, like those below, but many jobs we see today won't change, the way we do them will.

Based on the UKCES Careers of the future report, we've pulled together this handy guide showing you the top 40 jobs of the future.



You can find out more about the trends shaping the job landscape by clicking [here](#).

## FARMERS

Farmers play a crucial role in our future; from environmental concerns to the origins of the food on our plates they are involved in everything from cultivation of crops and livestock to land management and ecological concerns.



### SKILLS NEEDED

Resilience  
Teamwork  
Problem solving  
Communication



### STARTING SALARY

£13,000

# Agriculture

This sector is what feeds our nation and is extremely important for the future of our economy. Populations are constantly growing, so the demand for food and more efficient ways of producing it are ever-increasing. Emerging key factors in this sector include technological innovation, environmental stewardship, GM crops and EU regulations. Businesses in this sector also look at food security and sustainable development, as well as preserving our natural heritage and boosting the rural economy. Roles in this sector can include cultivation, ecological conservation and solving future problems for the world's food supply. This sector often requires resilience, problem-solving and communication skills.

## FINANCE AND INVESTMENT ANALYSTS AND ADVISERS

From mortgage advisers to investment analysts, people working in this group help individuals and businesses to choose the right investment for their needs based on research and analysis.



### SKILLS NEEDED

Teamwork  
Problem solving  
Communication  
Analytical



### STARTING SALARY

£28,000

## Business & Finance

This sector is essential for the future development of our growing and changing economy, and ensures individuals, as well as businesses large and small, can prosper in the years to come. Businesses in this sector involve a huge variety of roles, including helping people to better understand how to meet their financial needs, developing sustainable business strategies and managing the payment of taxes. As well as this, Skype and video conferencing is making developing virtual relationships more important. Organisational skills, business sense and being good with numbers are key skills for these jobs, but you also need good interpersonal skills.

## SALES ACCOUNTS AND BUSINESS DEVELOPMENT MANAGERS

People working in this field engage with customers to understand their needs and also coach and lead a team of sales people to work towards agreed sales targets.



### SKILLS NEEDED

Teamwork  
Problem solving  
Communication  
Negotiation



### STARTING SALARY

£18,000

## BUSINESS AND FINANCIAL PROJECT MANAGERS

Project managers work across all areas of business and the public sector to plan and organise resources and people to make sure projects finish on time, stay within budget and meet the requirements of the organisation.



### SKILLS NEEDED

Teamwork  
Problem solving  
Communication  
Project management  
Leadership



### STARTING SALARY

£27,000

## MANAGEMENT CONSULTANTS AND BUSINESS ANALYSTS

Management consultants and business analysts use their business skills to help organisations solve problems, improve efficiency and manage change.



### SKILLS NEEDED

Enterprise  
Analytical  
Problem solving  
Project management



### STARTING SALARY

£20,000

## CHARTERED AND CERTIFIED ACCOUNTANTS

Accountants provide accountancy services for clients as part of private practice or within a business. They handle tax and accounts, carry out audits and advise on financial matters.



### SKILLS NEEDED

Problem solving  
Communication  
Analytical



### STARTING SALARY

£21,000

## ARCHITECTS

Architects design new buildings and work on the restoration and conservation of existing buildings. They manage the construction process, control budgets and deal with planning issues.



### SKILLS NEEDED

Teamwork  
Problem solving  
Communication  
Project management  
Technical  
Creativity



### STARTING SALARY

£23,000



# Construction

This sector is what keeps our growing populations housed, and provides the increasing amount of public buildings necessary to accommodate those who need hospitals, schools, offices, etc. Construction is a huge sector with a wide variety of roles, from fitting furniture and pipes to heading up huge teams of people to complete massive-scale structural engineering projects. For anyone wanting to develop practical skills to understand how things work and are put together, construction could be the right industry.

## PLUMBERS AND HEATING AND VENTILATING ENGINEERS

These jobs involve fitting, servicing and repairing water pipes and heating systems in homes and businesses.



### SKILLS NEEDED

Technical  
Problem solving  
Project management  
Communication  
Teamwork



### STARTING SALARY

£25,000

## CONSTRUCTION PROJECT MANAGERS

Construction project managers oversee construction and civil engineering projects and building contracts to make sure they are completed safely, on time and within budget.



### SKILLS NEEDED

Technical  
Project management  
Communications  
Problem solving  
Creativity



### STARTING SALARY

£27,000

## CHARTERED SURVEYORS

Chartered surveyors carry out vital observations related to the measurement, management, valuation and development of land, buildings and other property, searching for any dangers or structural issues which may impact on almost all aspects of construction work.



### SKILLS NEEDED

Construction/engineering  
Project management  
Problem solving  
Analytical



### STARTING SALARY

£17,000

## CARPENTERS AND JOINERS

Carpenters and joiners make and install wooden fixtures and fittings as part of construction projects, working in a variety of roles including shop fitter and kitchen fitter.



### SKILLS NEEDED

Teamwork  
Problem solving  
Communication  
Creativity  
Technical



### STARTING SALARY

£22,000

## SECONDARY EDUCATION TEACHERS

Secondary school teachers help to prepare young people for a fulfilling life after school by providing instruction in one or more subjects in a secondary school.



### SKILLS NEEDED

Teamwork  
Problem solving  
Communication  
Resilience



### STARTING SALARY

£22,000

## Education

This sector is extremely important for the future of the generations to come. Our population is forever growing, and we need teachers to meet demand as more and more children require an education to get them ahead in the world. Emerging trends and key influencing factors in this sector include: the digitisation of learning (such as using electronic 'blackboards' and teaching with iPads); virtual teaching, such as with the broadcasting of lessons to students at home and MOOCs (Massive Open Online Courses); the introduction of new languages such as Mandarin; and the need for trainee teachers to pass national skills tests in numeracy and literacy. Those wanting to work in education need to have the knowledge, skills and passion to help people develop and learn, as well as being able to communicate well and enjoy working with others.

## SENIOR EDUCATION PROFESSIONALS

Including senior roles such as head teachers, college principals and senior academic administrator roles, people working in this group manage the effective running of a school, university or college.



### SKILLS NEEDED

Leadership  
Project management  
Teamwork  
Problem solving  
Communication  
Resilience



### STARTING SALARY

£25,000

## PRIMARY AND NURSERY EDUCATION TEACHERS

Primary and nursery school teachers give young children the best start in life, developing and preparing them for secondary school.



### SKILLS NEEDED

Teamwork  
Problem solving  
Communication  
Resilience



### STARTING SALARY

£21,000

## TEACHING ASSISTANTS

Teaching assistants help teachers with their day-to-day classroom work and with administrative tasks.



### SKILLS NEEDED

Teamwork  
Problem solving  
Communication  
Resilience



### STARTING SALARY

£16,000



## CARE WORKERS AND HOME CARERS

Care workers are the frontline staff in all care settings. They work with all types of people who need care and support to ensure the individual's overall comfort and wellbeing and to help them to live as independently as possible.



### SKILLS NEEDED

Communication  
Resilience  
Teamwork



### STARTING SALARY

£14,000

## Health & Care

This sector ensures that we stay in good health, live longer and get care and support when we need it most and includes many roles at different levels, from visiting those in need to offer comfort and care, to leading teams of surgeons and carrying out complex operations which could save lives. The ageing population is making care the next big growth area for our economy, and telecare, or remote monitoring and support to people in their own homes, is another emerging trend. On top of this, there is a definite growing need for special knowledge and skills associated with age-related ill-health and disabilities, such as dealing with dementia, visual and auditory impairment. Someone wanting to work in medicine and nursing should have an interest in people's health and wellbeing, as well as communication skills, resilience and team working skills.

## NURSES

Every day, Britain's nurses save lives; they're at the coalface of A&E and are the people patients see most while recuperating, providing vital care and assistance to those in need.



### SKILLS NEEDED

Communication  
Resilience  
Technical  
Teamwork



### STARTING SALARY

£17,000

## NURSING AUXILIARIES AND ASSISTANTS

Often known as health care assistants, people working in this area assist doctors and nurses in the day-to-day care of patients, either in hospitals or the wider community.



### SKILLS NEEDED

Communication  
Resilience  
Technical  
Teamwork



### STARTING SALARY

£12,000

## DOCTORS

From GPs to surgeons, doctors diagnose and treat illnesses and disease in patients, providing advice and reassurance.



### SKILLS NEEDED

Teamwork  
Problem solving  
Communication  
Resilience  
Leadership  
Technical



### STARTING SALARY

£26,000

## DENTISTS

While their work may set some people's teeth on edge, rather than straight and pearly white, dentists play an important role in our day-to-day health, specialising in the diagnosis and treatment of a range of problems that affect the mouth and teeth.



### SKILLS NEEDED

Technical  
Problem solving  
Communication



### STARTING SALARY

£29,000

## IT PROJECT AND PROGRAMME MANAGERS

IT project managers oversee the implementation of major IT projects, such as the installation of computer systems, to meet the needs of a wide range of organisations.



### SKILLS NEEDED

Digital  
Project management  
Problem solving  
Communication



### STARTING SALARY

£28,000

## Information Technology

This sector is essential to our economy as we race to keep up with technological advances being made every day. In this information age, we need people who can manage data and new technologies to benefit our economy both in the UK and on a global scale. Whether you're programming computers or designing webpages, for many of these jobs you'll need to gather and be able to interpret information, as well as good organisational skills and interpersonal skills.

## IT BUSINESS ANALYSTS, ARCHITECTS AND SYSTEMS DESIGNERS

People working in this role are employed by companies to design IT systems and processes or analyse existing ones and to recommend improvements.



### SKILLS NEEDED

Digital  
Creativity  
Analytical  
Problem solving  
Communication



### STARTING SALARY

£35,000

## WEB DESIGNERS AND DEVELOPERS

People working in this group use their creativity and technical skills to design, build and maintain websites.



### SKILLS NEEDED

Digital  
Project management  
Problem solving



### STARTING SALARY

£16,000

## PROGRAMMERS AND SOFTWARE DEVELOPERS

From designing the software that keeps huge retailers and manufacturers moving, to building the latest hit games and apps, programmers and software developers create solutions in almost every sector imaginable.



### SKILLS NEEDED

Digital  
Problem solving  
Creativity



### STARTING SALARY

£22,000

## IT SPECIALIST MANAGERS

From data centre managers to IT support managers, people working in this job manage the delivery of specialist IT services within an organisation.



### SKILLS NEEDED

Digital  
Communication  
Teamwork  
Project management  
Communication



### STARTING SALARY

£25,000

## ELECTRICIANS AND ELECTRICAL FITTERS

Electricians fit and repair electrical circuits and wiring and maintain electrical machinery in people's homes or in businesses.



### SKILLS NEEDED

Teamwork  
Problem solving  
Technical



### STARTING SALARY

£15,000

## Manufacturing, Installation, Maintenance

This sector is essential to the upkeep and running of the ever-growing new technology being constantly developed. For example, electricians are dealing with app-based heating systems which can be controlled remotely to expansion of intelligent energy systems that track usage. Creative thinking and practical skills are helpful for some jobs, whereas in others you need more mathematical or scientific knowledge. Problem solving and communication skills are also really important.

## TELECOMMUNICATIONS ENGINEERS

Telecommunications engineers install, test and repair communications systems, such as fixed-line and mobile telephony networks, copper wire and fibre-optic cabling and digital satellite systems.



### SKILLS NEEDED

Digital  
Technical  
Problem solving  
Teamwork



### STARTING SALARY

£18,000

## AIRCRAFT MAINTENANCE AND RELATED TRADES

With job titles such as aircraft mechanic and aircraft fitter, people working in this role fit, service, repair and overhaul aircraft engines and assemblies.



### SKILLS NEEDED

Teamwork  
Problem solving  
Technical



### STARTING SALARY

£16,000

## PIPE FITTERS

Pipe fitters install pipe systems and maintain and repair pipes on sites such as petrochemical plants, oil refineries and other processing plants, often working in harsh conditions and at considerable heights.



### SKILLS NEEDED

Teamwork  
Problem solving  
Technical



### STARTING SALARY

£18,000

## METAL WORKING PRODUCTION AND MAINTENANCE FITTERS

This role includes engineering maintenance fitters and involves installing, servicing and repairing engineering machinery and equipment, including mechanical, electrical and hydraulic systems.



### SKILLS NEEDED

Teamwork  
Problem solving  
Technical



### STARTING SALARY

£15,000

## POLICE OFFICERS

Police officers are on the frontline of justice, working in partnership with the community to make life safer for your friends and neighbours, and to make your area a better place to live.



### SKILLS NEEDED

Leadership  
Problem solving  
Communication  
Resilience  
Teamwork



### STARTING SALARY

£23,000

## Protective Services

This sector is essential for our safety in the world. In the future, there will always be crises which people who can tackle the problem and ensure those at risk are as well protected as possible. Leadership is very important, and roles include working with communities to make neighbourhoods safer, supporting individuals who have been affected by crime or working undercover to investigate a case. Communication skills, resilience and teamwork are also beneficial for these jobs.

## BIOLOGICAL SCIENTISTS AND BIOCHEMISTS

From biologists to horticulturists, people working in this job study living things such as plants and animals and the world they live in. Their work is used widely in sectors such as medicine, agriculture and environmental management.



### SKILLS NEEDED

Technical  
Project management  
Problem solving



### STARTING SALARY

£22,000

## Science, Engineering and Technology

This sector is essential to our scientific and technological advances. For the future, we need the best possible scientists and engineers to ensure we can compete with the rest of the world and contribute to resolving some of the great future challenges – these challenges could include finding cleaner ways to generate energy, or devising methods of producing food more efficiently. Anyone who enjoys investigating, analysing and using practical skills to find a solution should consider a job in this sector.



## PHYSICAL SCIENTISTS

Including a range of scientific roles from physicist to geologist, people in this job study the world around us. Their findings act as the scientific basis for practical developments in areas as diverse as oil and gas, and space and satellites.



### SKILLS NEEDED

Technical  
Problem solving  
Creativity  
Project management



### STARTING SALARY

£21,000

## RESEARCH AND DEVELOPMENT MANAGERS

Research and development managers are responsible for the process by which new products and services are developed or existing ones improved. This can involve managing market research and design work.



### SKILLS NEEDED

Project management  
Enterprise  
Analytical  
Creativity/design



### STARTING SALARY

£29,000

## MECHANICAL ENGINEERS

Mechanical engineers undertake research and design, direct the manufacture and manage the operation and maintenance of mechanical systems, such as engines, vehicles and machinery.



### SKILLS NEEDED

Technical  
Creativity  
Project management  
Problem solving  
Communication  
Teamwork



### STARTING SALARY

£20,000

## DESIGN AND DEVELOPMENT ENGINEERS

Design and development engineers take initial product ideas (across a wide range of areas, including for engines, instruments, vehicles, electronic equipment etc.) and develop them into designs and prototypes.



### SKILLS NEEDED

Creativity/design  
Technical  
Problem solving  
Teamwork



### STARTING SALARY

£21,000

## AIRLINE PILOT

Fly passengers and cargo to destinations around the world.



### SKILLS NEEDED

Leadership  
Technical  
Problem solving  
Communication  
Teamwork



### STARTING SALARY

£38,000

## Transport and Logistics

This sector ensures all our modes of transport can get us from A to B efficiently but technology changes will impact what the role is. As populations grow, so do cities, and we will need more train, bus and taxi drivers to get commuters and tourists where they need to be. As the global economy continues to grow, the demand for planes and ships to deliver goods for trade will rise, as will the need for commercial airlines to meet rising tourism. As well as having good concentration and good driving skills, someone working in this sector needs to have good organisational skills and in some cases good leadership and people skills too.

## SHIP OFFICERS

Ships officers work in a variety of settings from cruise ships to oil tankers, handling the navigation, communications, crew, cargo and overall running of the ship.



### SKILLS NEEDED

Leadership  
Resilience  
Technical  
Communication  
Teamwork



### STARTING SALARY

£20,000

## TRAIN AND TRAM DRIVERS

Workers in this role drive trains to transport passengers and goods on surface and underground railways, and transport passengers in trams.



### SKILLS NEEDED

Resilience  
Technical  
Communication



### STARTING SALARY

£18,000

## LARGE GOODS VEHICLE DRIVER

Large goods vehicle (LGV) drivers, also known as HGV drivers, transport and deliver goods and raw materials across the UK and overseas. They move everything from foodstuffs to fuel.



### SKILLS NEEDED

Technical  
Communication  
Resilience



### STARTING SALARY

£18,000

## Sources

Payscale:

<http://www.payscale.com/research/UK/>

UKCES, Careers of the future, December 2014:

<https://www.gov.uk/government/publications/careers-of-the-future>