

- A B.Ed or BA/BSc degree with Qualified Teacher Status (QTS), or a degree in a relevant subject followed by a one year Post-graduate Certificate in Education (PGCE).
- At least two GCE A levels or vocational A levels (e.g. BTEC National award). Subject/s need to be relevant to the National Curriculum.
- GCSE Grade A-C in English, Maths and Science.

PRIMARY SCHOOL TEACHER

Primary school teachers have responsibility for teaching all or most subjects to one class of children. They usually also take responsibility for one subject across the whole school, preparing materials and ordering equipment for other teachers. Primary school teachers teach children between the ages of 5 and 11.

Importance of science **8**

After A levels it takes approximately four years to qualify as a Primary School Teacher.



- A five-year degree in Medicine.
- Three A levels normally including chemistry or physics, and at least one of biology, maths or physics or a vocational A level in Science with distinction.
- There are several other routes into medicine for students who do not have A levels in the relevant sciences.

Importance of science **10**

To qualify as a GP, a doctor will need to do a three year Vocational Training Scheme (VTS) after their degree. This entitles them to apply for a certificate to work as a GP.

GENERAL PRACTITIONER (GP)

GPs work in the community, usually in surgeries. They diagnose patients' problems by listening to their symptoms and examining them. They prescribe medicines and may even do minor surgery if needed.



- Entry is possible with a minimum of four GCSEs grade A-C including English, maths and two sciences, or a GNVQ intermediate in science.
- Lab technicians usually have higher qualifications such as A levels or vocational A levels.

LABORATORY TECHNICIAN

Lab technicians assist scientists by carrying out routine and practical tasks that are essential to research and development. They ensure the equipment is in good working order, carry out experiments and record the results. They also prepare specimens for investigation.

Importance of science **10**

Possible to go on a modern apprenticeship after GCSEs and work towards a NVQ in laboratory operations or equivalent qualification. Normally takes two years.



- The minimum requirement is a degree in a relevant science subject.
- At least two science A levels or a science vocational A level qualification (e.g. BTEC National/GNVQ Advanced).

RESEARCH SCIENTIST

Research scientists work at the cutting edge of science. They carry out investigations in order to find new solutions to problems such as creating new technologies, reducing pollution or curing disease.

Importance of science **10**

Many research scientists complete a Masters degree or a PhD before they start work.



CONDITIONS

Usually work in health centres or surgeries. They also have to make home visits and spend some time 'on call'.

Working with People **5**

Travel Opportunity **3**

Number of Jobs **10**

Salary **5**

CONDITIONS

Spend most of their work time in a school. There may be opportunities to work outdoors through sports, visits or holidays.

Working with People **5**

Travel Opportunity **2**

Number of Jobs **10**

Salary **4**

CONDITIONS

Usually work in laboratories and workshops. They may also spend a lot of time inputting and analysing data with a computer. There may be some travelling to present their findings to colleagues around the world.

Working with People **3**

Travel Opportunity **1**

Number of Jobs **7**

Salary **4**

CONDITIONS

Usually work in laboratories. They can also work in fairly noisy workshops or in schools.

Working with People **3**

Travel Opportunity **1**

Number of Jobs **7**

Salary **2**

- A degree in Chemical Engineering is required.
- GCE A levels in maths, chemistry and another subject or a science vocational A level qualification (e.g. BTEC National/GNVQ Advanced).

CHEMICAL ENGINEER

Chemical engineers (also called Process engineers) are responsible for designing ways to make on a large scale new products that have been developed by scientists in laboratories.

Importance of science **10**

In order to become a Chartered Chemical Engineer further training after finishing your degree is required.



- Training to become a vet is very competitive. An approved degree in Veterinary Science is required.
- Three A levels are normally required at high grades, including chemistry and at least one from biology, physics and maths to begin the degree course.

Importance of science **10**

VETERINARY SURGEON (VET)

Vets diagnose and treat animals with health problems or injuries. They work with a variety of animals such as domestic pets, zoo animals and farm animals, although some vets specialise in one area such as working with horses.

Most Veterinary Science degree courses are five years long. A minimum number of weeks spent on work placement are also required.



- A degree in Veterinary Nursing is available, requiring at least two A levels including biology and another science or a science vocational A level qualification (e.g. BTEC National/GNVQ Advanced).
- The Veterinary Nursing scheme is also available as an alternative.

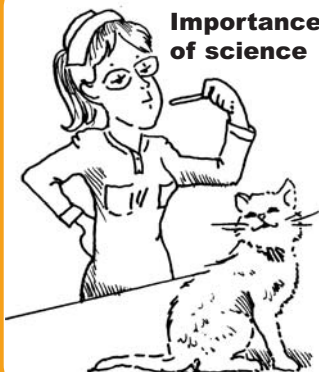
VETERINARY NURSE

Veterinary nurses assist vets in the examination and treatment of animals. This includes the general care and treatment of animals kept as in-patients, working in the operating theatre and in some cases reception duties and advising pet owners on how to care for their animals.

10

Importance of science

It is also possible to become a veterinary nurse through the Veterinary Nurse Scheme. 5 GCSEs grades A-C are required including English and two from biology, physics and maths.



- Nursing degree or diploma course.
- The minimum entry requirements to train as a nurse are five GCSEs at grades A-C or an equivalent qualification such as GNVQ intermediate plus one GCSE grade A-C, NVQ level 3 or a vocational A level.
- At least two A levels or equivalent are required to begin a degree course.
- The minimum age to begin nurse training is 17 ½ years old.

NURSE

Nurses work as part of a team of health care professionals in hospitals and the community. They are responsible for the care of patients by carefully assessing their condition and response to treatment. There are four branches of nursing: adult, child, mental health and learning disability.

10

Importance of science

For both diploma and degree route practical training is given over a period of 3-4 years. You can also train through a modern apprenticeship where you get experience of working in the caring field and work towards entry qualifications for nurse training.



CONDITIONS

Work in a variety of settings ranging from a practice surgery to a field, farm or a zoo. Most of their work can be in a dirty smelly environment. They occasionally do shift and weekend work.

Working with People **5**

Travel Opportunity **3**

Number of Jobs **10**

Salary **5**

CONDITIONS

Work in research are mainly based in laboratories. When in product development, they may work in a noisy factory, plant or on a construction site.

Working with People **3**

Travel Opportunity **2**

Number of Jobs **10**

Salary **5**

CONDITIONS

They usually work in hospitals, health centres, GP surgeries, schools or prisons.

Working with People **5**

Travel Opportunity **1**

Number of Jobs **10**

Salary **3**

CONDITIONS

They are mainly practice based but sometimes go out to see patients.

May involve shift and weekend work.

Working with People **5**

Travel Opportunity **2**

Number of Jobs **10**

Salary **1**

- Midwifery degree or diploma course.
- The minimum entry requirements to train as a midwife are five GCSEs at grades A-C including English, maths or a science subject, unless you have a relevant NVQ level 3 or vocational A level.
- At least two A levels or equivalent are required to begin a degree course.

MIDWIFE

Midwives provide support to pregnant women before, during delivery and after birth. They monitor the health of mother and the baby and support them up to 28 days after delivery.

Importance of science **10**



For both the diploma and degree route practical training is given over a period of 3-4 years.

- Entry to this profession is possible with a range of qualifications, but most people have a degree. Some employers will even consider applicants whose degree is not computer-related.
- At least two A levels or equivalent are required to begin a degree course.

IT (ANALYST) PROGRAMMER

IT analysts are responsible for designing and creating computer programmes. This includes testing out programmes to ensure that they work properly. The role may also include working with clients to find out exactly what they want their IT system to do, and then designing it before the programming can begin.

You can enter IT work through a modern apprenticeship and get trained on the job whilst working towards a recognized NVQ qualification.

Importance of science **2**



- The most common route into accountancy training is with a degree. This does not have to be an accountancy related degree, but a relevant degree can lead to exemption from some examinations.
- At least two GCE A levels or vocational A levels are required to begin a degree course. (In reality most students will require 3 A levels or equivalent).

ACCOUNTANT

Accountants work with a variety of clients. Their work may include preparing and auditing accounts, preparing tax returns and offering financial advice to clients. There are four main types of accountants: chartered, certified, management and public finance.

Importance of science **1**



Trainee accountants have to pass a series of professional exams, which usually takes around three years. It is possible to become an accountant without a degree, after qualifying as an accounting technician through a modern apprenticeship.

- There are no set minimum qualifications for this area of work, but in practice most people would have a degree in a relevant subject such as environmental science or ecology.
- At least two science based GCE A levels or relevant vocational A levels are required to begin a degree course. (In reality most students will require 3 A levels or equivalent).

ENVIRONMENT CONSERVATION ADVISER

Environmental conservation advisers give advice on conserving existing landscape, wildlife and historical features and encourage the promotion of conservation in their local area. They provide practical advice to farmers, land managers, and voluntary or private organisations.

Qualifications by themselves will not be enough for this career. Employers will expect applicants to have had a lot of work experience either as part of their course or through voluntary or paid work.

Importance of science **10**



CONDITIONS

Mainly work in an office environment, but this can also include travelling to visit clients.

Working with People **4**

Travel Opportunity **3**

Number of Jobs **8**

Salary **4**

CONDITIONS

Work in hospitals wards, GP clinics, health centres and even in patients' own homes.

Working with People **5**

Travel Opportunity **3**

Number of Jobs **10**

Salary **3**

CONDITIONS

Combination of outdoor work and travelling to meet clients. They also work from an office producing reports and meeting colleagues.

Working with People **3**

Travel Opportunity **4**

Number of Jobs **3**

Salary **3**

CONDITIONS

Work is computer and office based, but they may spend a considerable amount of time working away from their office at clients' premises.

Working with People **4**

Travel Opportunity **4**

Number of Jobs **8**

Salary **5**

- A marketing manager's main aim is to maintain and develop a brand's image. They formulate a marketing plan based on research into customer demand. Marketing managers will give presentations, brief advertising agencies and monitor their campaign's progress.
- There are a variety of routes into marketing but many employers now prefer graduates.
- Degrees are available in marketing and other relevant courses.
- Normal entry is with five GCSEs and three A levels or vocational A levels.
- HNDs in business with a marketing specialism are also available. Normal entry are four GCSEs grades A-C and one A level or Vocational A level.

MARKETING MANAGER/ EXECUTIVE

A marketing manager's main aim is to maintain and develop a brand's image. They formulate a marketing plan based on research into customer demand. Marketing managers will give presentations, brief advertising agencies and monitor their campaign's progress.

Importance of science

1

One year post-graduate courses are available in marketing for those without a relevant degree.



- Degree in a pure or applied science such as biological science, chemistry or chemical engineering.
- There are several different routes into brewing, including a few specialist brewing courses available at degree/HND level.
- At least 2 GCE A levels including relevant science subjects or vocational A levels are needed to begin a degree course.

BREWER

Brewers are in charge of the entire beer production process. They ensure the machinery is running smoothly, manage the operators and technicians as well as having responsibility for the raw materials needed to make the beer.

There are professional examinations you can take once employed by a company. Some companies also offer their own training programmes.

10

Importance of science



- There are no set qualifications needed but a good standard of general education is required.
- Some services may ask for particular GCSEs.
- Need to pass a written test and a demanding test of fitness and strength.
- Minimum age to join the fire service is 18 years old.

FIRE FIGHTER

Fire fighters protect life and property, and they may also be required to assist in major accidents. They also educate the public about fire safety by giving talks and demonstrations.

All new fire fighters will have to undergo training of between 12-16 weeks. Fire-fighters are generally encouraged to work towards NVQs in Emergency Fire Services.

Importance of science

4



- No set qualifications are required, but over 70% of trainee journalists have a degree or postgraduate qualification (for people whose first degree is not journalism).
- Most other journalist will have A levels or equivalent qualifications.

JOURNALIST

There are two main types of journalist. Print journalists work for newspapers and magazines, and broadcast journalists work in radio and television. Journalists are responsible for researching and writing news stories or features. They often need to work to tight deadlines.

Some journalists begin work at a local newspaper and work their way up. Some large newspapers and media groups offer special trainee posts that are highly competitive. The most usual route in is with a degree and/or relevant postgraduate qualification.

1

Importance of science



CONDITIONS

Most of the time is spent in a noisy, wet and hot production environment.

Some time is also spent in the office.

Working with People **4**

Travel Opportunity **3**

Number of Jobs **5**

Salary **5**

CONDITIONS

Most of the time is spent in an office environment. Time can also be spent travelling to see clients and attending conferences and exhibitions.

Working with People **3**

Travel Opportunity **2**

Number of Jobs **4 / 5**

Salary **3**

CONDITIONS

Normally work in large open plan offices where it can be noisy and very hectic. A lot of time is spent out of the office travelling.

Working with People **5**

Travel Opportunity **1**

Number of Jobs **4**

Salary **2**

CONDITIONS

May work in hazardous conditions, in extreme heat and cold, and at heights or in enclosed spaces. Shifts and weekend work are also part of the job.

Working with People **5**

Travel Opportunity **5**

Number of Jobs **4**

Salary **4**

- An Airline Transport Pilot's Licence (ATPL) is required to become a qualified airline pilot.
- This can be obtained through a private training school or through sponsorship by an airline.
- Minimum entry requirements for private training schools – five GCSEs grades A-C including English, maths and science. Courses cost approximately £30,000-£50,000.
- Airline sponsorship entry requirements also require at least two A levels preferably including maths and physics. They may consider vocational A levels.

AIRLINE PILOT

Pilots fly passenger aircraft on both short and long haul flights. Pilots are responsible for the safety of the passengers and crew. They agree a flight plan before each flight and keep in constant contact with air traffic control during the flight. They also continually check the aircraft instruments and equipment.

Importance of science **10**



Training to become a pilot usually takes between 47 and 60 weeks. 1,500 hours flying experience is required to obtain a full licence.

- There are no minimum entry requirements. Experience is very important and a large number of floor managers have experience as stage managers at a theatre or become floor assistants.
- Stage management courses are available through drama schools and other performing arts courses. These courses may include modules in floor management, which could be useful.

TV FLOOR MANAGER

Floor managers have responsibility for the studio floor during the recording of television programmes. They oversee all the activities, making sure everyone is in the right place at the right time. They pass on instructions to the camera crew, presenters, performers and the studio audience. They brief the studio audience about what is happening or tell a studio guest how to relate to the camera.

There are many recognised industry training courses available, but there is heavy competition to gain a place. Modern apprenticeships are available in stage management.



- Most researchers have a degree, although this is not true for those working in entertainment. Particular degrees are not asked for, but you will find specialist researchers, for example, working on nature programmes, who have a relevant degree.
- Experience is important to get into this area of work and you will find that many researchers have a background in journalism.

MEDIA RESEARCHER

Media researchers gather ideas and facts for radio, film or a TV programme. This could involve finding out everything they can about a celebrity guest or researching into customs for a historical movie. Researchers sometimes meet and look after studio guests.

Importance of science **1**



There are some training courses available in this area. For example, one company runs an 18-month researcher training scheme. There is also a NVQ level 3 qualification in Production Research.

- Most entrants to PR are graduates, the minimum qualification needed to start professional training is five GCSEs grades A-C including English and maths or equivalent qualifications.
- It is not essential to do a PR or media related degree. This is a very competitive career so a postgraduate course/diploma plus relevant experience is advantageous.

PUBLIC RELATIONS OFFICER

Public relations is all about reputation. Public relations (PR) officers work to develop the relationship between an organisation and the public. They organise PR campaigns and press releases to inform the public about the company, and try to present it in a positive way.

Importance of science **1**



Large employers have graduate training schemes available. PR officers are also encouraged to study for related qualifications such as the Advanced Certificate in Public Relations whilst they are working.

CONDITIONS

Mainly work in television studios. These are large spaces but can become very crowded and hot when making a programme.

Working with People **5**

Travel Opportunity **2**

Number of Jobs **3**

Salary **4**

CONDITIONS

Work in a relatively confined space. They may frequently be away from home.

Working with People **5**

Travel Opportunity **5**

Number of Jobs **3**

Salary **5**

CONDITIONS

Mainly office based, but the role does involve travelling. They may attend public opening events, photo shoots or press conferences.

Working with People **5**

Travel Opportunity **3**

Number of Jobs **4**

Salary **4**

CONDITIONS

Long irregular hours including weekends and evenings.

Usually work in an office. There are a high number who are self-employed, so may do some work from home. There may be extensive travel around the UK or even abroad.

Working with People **5**

Travel Opportunity **4**

Number of Jobs **4**

Salary **3**

- A degree in Landscape Architecture or Landscape Design is required. Entry requirements vary but useful A level subjects are art, botany, biology and geography.
- Vocational A levels may be acceptable in art and design or construction and the built environment.
- A portfolio of art and design work may be asked for when applying to university.

LANDSCAPE DESIGNER

Landscape designers plan and design a range of outdoor places. These include parks, play areas and private gardens. They can also include settings of power stations and other industrial buildings, forests and tourist areas.

Importance of science **3**

After completing the degree it is normal to do one year of relevant work experience before returning to university to do a one-year Diploma in Landscape Architecture.



- A good standard of education is required, but there are no minimum qualifications. Employers may ask for four GCSEs grades A-C including English, maths and a science subject or an equivalent qualification. There are a number of full-time motor vehicle courses available at colleges.

MOTOR MECHANIC

The job involves routine servicing and tuning of motor vehicles, replacing worn parts, carrying out road tests, diagnosing faults and repairing them.

Modern apprenticeships are available to train as a motor mechanic.

This is the most popular way to enter this career.

You would normally work towards NVQ 2 or 3 in vehicle maintenance or a similar qualification.

You would be expected to attend college or a training centre on a day or block release basis.

Importance of science **4**



- An accredited Optometry degree, offered at one of 8 universities.
- High grades are required at A level (24points). Three science A levels from biology, chemistry, physics and maths are usually required for entry onto the course.

OPTOMETRIST/OPHTHALMIC OPTICIAN

Optometrists/ ophthalmic opticians examine eyes, test sight and prescribe spectacles and contact lenses.

After completing a 3 or 4 year Optometry degree

you then need to complete a year of full time on the job training with a registered optometrist called a 'pre-registration year.'

Importance of science **10**



- A four/five year degree in Pharmacy (course must be approved by RPS).
- Three good A levels in chemistry and two others from biology, maths, or physics are usually required for entry onto the course. Relevant vocational A levels may also be accepted.

PHARMACIST

Pharmacists work in the area of drugs and medicine, which they formulate and dispense. Pharmacists can work in the community (local chemist), in a hospital where they work directly with patients, doctors and nurses, or in industry where they discover safe and effective new drugs with other scientists.

Pharmacists have to do a one year structured training programme in Pharmacy after their degree.

Importance of science **10**



CONDITIONS

They work in garages and workshops. They may also have to work outside in all weathers. Conditions are oily and greasy at times and can be cold in the winter.

Working with People **3**

Travel Opportunity **1**

Number of Jobs **7**

Salary **1**

CONDITIONS

Most of the time is spent indoors at meetings, drawing board or computer. When they work outside it can be in any type of weather.

Working with People **3**

Travel Opportunity **3**

Number of Jobs **5**

Salary **3**

CONDITIONS

They can work in a variety of settings, from hospitals and laboratories to nursing homes, or patient's homes fitting surgical appliances

Working with People **5**

Travel Opportunity **1**

Number of Jobs **10**

Salary **4**

CONDITIONS

You can work both in hospitals and in private practice.

They work in examination rooms.

Working with People **5**

Travel Opportunity **2**

Number of Jobs **10**

Salary **4**

- There are generally no minimum qualifications to become a sound engineer but you need to have a real interest in broadcast engineering. Physics and maths are really useful subjects to have.
- Many applicants have GCE or vocational A levels, a BTEC in Music Technology or relevant City & Guilds qualifications.

SOUND ENGINEER/TECHNICIAN

Sound engineers work with live and recorded sound. This may include recording and balancing speech for a radio play, laying in the soundtrack on a film, or playing in music or sound effects during a live programme.

Importance of science

6

There are short training courses available on the job, for example, apprenticeship training over 18 months working towards an NVQ qualification.



- A degree in a relevant subject area is usually required for this job. May also need relevant work experience. Degrees relevant to museum work include Art History, Biology, Botany, Chemistry, Engineering, Ceramics, Textiles, Anthropology, History and Fine Art.
- NVQs with relevant work experience is an alternative route.

MUSEUM CURATOR

Museum curators manage collections of objects of artistic, scientific, historical and general interest. The main part of the job involves acquiring objects, researching and identifying them, cataloguing, storing and displaying them. Curators may also give lectures and talks to visitors.

Importance of science (depending on your area of work)

10

A one-year postgraduate qualification in museum or heritage studies specifically trains people for museum work.



- To be a PA you need to have a good standard of education. A good command of English language and grammar is vital. You can study a relevant course at a range of different levels, from a one-year course on leaving school to a degree in secretarial studies.
- PAs need to have keyboard/word processing skills along with knowledge of secretarial software packages. Audio typing and shorthand may be asked for.

PA (PERSONAL ASSISTANT)

PAs work closely with executives or senior managers and provide support for their work. This involves providing administrative back up to the manager. PAs handle incoming and outgoing mail by post, fax or email. They collate, organise and edit material for reports and presentations and research and summarise information and other material for meetings. They run the office for the manager, answering any calls and greeting visitors.

Importance of science

1

It is possible to train on the job through a modern apprenticeship, working towards an NVQ qualification in administration.



- A degree or HND in fashion is usually required to enter this career.
- Entry requirements vary but selection is usually based on a good portfolio of work and an interview.
- Universities may ask for A levels and a Foundation Art course or Vocational A levels (national diploma) in Fashion /Art and Design.

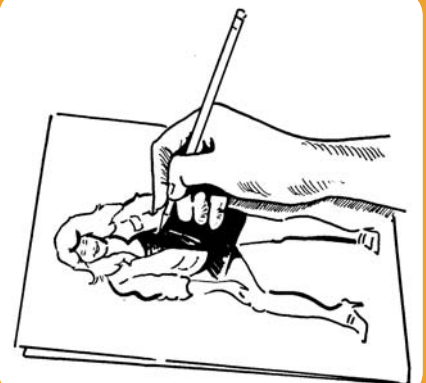
FASHION DESIGNER

Fashion designers design clothes and accessories. They may design a whole range of clothes or may specialise in areas such as lingerie or sportswear

Importance of science

1

Modern apprenticeships are available for fashion manufacturing.



CONDITIONS

Work in a controlled environment, often with subdued lighting.

There may be some heavy lifting and climbing ladders involved.

Working with People **4**

Travel Opportunity **2**

Number of Jobs **4**

Salary **3**

CONDITIONS

Depending on the nature of the work they may be outside in wet and windy conditions, perched on top of scaffolding or in a studio, which is light and airy but can also get quite

hot.

Working with People **2**

Travel Opportunity **2**

Number of Jobs **4**

Salary **3**

CONDITIONS

Work in studios or workshops, either alone or with a small group of colleagues.

There can be a lot of travel with this career both abroad as well as in the UK.

Working with People **3**

Travel Opportunity **5**

Number of Jobs **2**

Salary **3+**

CONDITIONS

Work in an office environment but may be expected to travel away on business and take notes at meetings.

Working with People **4**

Travel Opportunity **2**

Number of Jobs **10**

Salary **3**

- To work in the NHS Physiotherapists need to complete an approved Physiotherapy degree. Competition for places is high.
- Many courses require 24-26 UCAS points in science related subjects.

PHYSIOTHERAPIST

Physiotherapists work with patients both to relieve pain by treating injury or illness and to prevent damage to the body. They use manual therapy and techniques such as therapeutic massage, electrotherapy and hydrotherapy to aid patients' rehabilitation.

Complete an approved degree course in physiotherapy or a two-year postgraduate course for science graduates.

10

Importance of science



- There are no set qualifications for this work, but in practice most people would have a degree (approved by CIEH) in a relevant subject such as environmental science or ecology.
- At least two science based GCE A levels or relevant vocational A levels are required to begin a degree course. (In reality most students will require 3 A levels or equivalent).

ENVIRONMENTAL HEALTH OFFICER

Environmental health officers (EHOs) are responsible for protecting human health and the working environment. They inspect shops, restaurants, and food manufacturers to investigate health, hygiene and safety.

Qualifications by themselves will not be enough for this career. Employers will expect applicants to have had a lot of work experience either as part of their course or through voluntary or paid work.

Importance of science

10



- Most food technologists have a HND or degree. These may be in food science, food studies, and food technology or in a specialist area such as baking or meat technology. It is also possible to enter with a degree in biology, microbiology, chemistry or biochemistry.

FOOD TECHNOLOGIST

Food technologists ensure that food and drink remain edible, safe and attractive in appearance until they are eaten by the consumer. They will also create products to tempt people to buy them. This may be multi-flavoured ice cream or low calorie soup. They are responsible for the processes and machinery that transform the raw material into the finished product.

Importance of science

10

Some graduates do a postgraduate course in food science before starting work.



- There are no set entry requirements for this career. Many people start in this area as a hobby, through voluntary work or other relevant work such as technical support.
- There are a range of courses that can give a good grounding, these include multimedia, media production or graphic design. These may be available at A level / vocational A level and/or HND / Degree level.

WEBMASTER

Webmasters set up and run websites on the world wide web. They discuss their clients' needs, advise them on how the web could be of benefit to them and how they can link their present systems together.

There are short training courses available in web development at many

colleges. There may also be an opportunity to do a relevant modern apprenticeship.

Importance of science

1



CONDITIONS

They often work in laboratories. They also spend time in the factory as well. They may work with rotted foodstuffs, which can smell unpleasant.

They may wear lab coats, hats, gloves and masks.

Working with People

4

Travel Opportunity

2

Number of Jobs

8

Salary

4

CONDITIONS

Most work in hospitals, but some work in special schools, sports clinics, and private practice. The work can be physically demanding.

Working with People

5

Travel Opportunity

3

Number of Jobs

10

Salary

3

CONDITIONS

They work in an office environment on a computer for most of the time when they are not in meetings.

Working with People

3

Travel Opportunity

4

Number of Jobs

10

Salary

3

CONDITIONS

Most are office based but do frequently visit unpleasant, dirty and sometimes potentially dangerous places. They may need to wear appropriate safety clothing such as hats, masks, gloves and overalls.

Working with People

5

Travel Opportunity

3

Number of Jobs

8

Salary

4

- Most employers look for GCSEs in English maths and science preferably grades A-C and a practical subject, or a GNVQ Intermediate. Most people applying have to pass an aptitude test and interview.

INSTALLATION ELECTRICIAN

Installation electricians install the wiring in houses and businesses. They connect the light fittings, wall sockets, fuse box, immersion heater, central heating controller etc.

6 Importance of science

Most people leaving school or college start training to be an electrician through a modern apprenticeship. The training normally takes four years and involves day or block release at college or a training centre. You cannot be significantly colour blind to do this work.



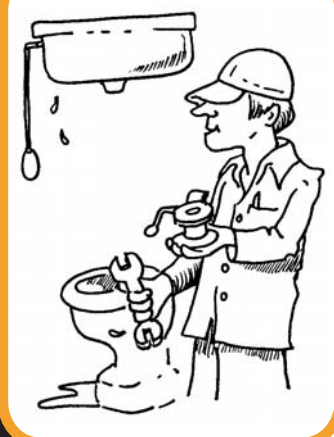
- It is advisable to have some GCSEs grades A-D in English, maths, science and a practical design and technology subject or a GNVQ in construction and the built environment or a similar vocational qualification.

8 Importance of science

Training through a modern apprenticeship is one of the main routes into becoming a plumber. There are NVQs in plumbing that normally take two to three years to complete. The Joint Industry Board for plumbing also offers a four-year apprenticeship.

PLUMBER

Plumbers do a wide range of work such as assembly, jointing and fixing. They fit appliances such as baths, toilets, pumps, radiators and boilers. Maintenance and repair work involves problem solving and some electrical work.



Play Top Science

CATEGORIES

and learn more about career choices!

Conditions:

This tells you whether the work is inside or outside, and whether the conditions are unpleasant (hot, cold, wet). It also tells you if the hours may be unsociable.

Working with People:

Scored out of 5. This tells you how many other people you are likely to work with in this job.

Number of Jobs:

Scored out of 10. This tells you how many jobs of this type there are available.

Travel Opportunity:

Scored out of 5. This tells you how much travelling you are likely to have to do in this job.

Salary: This is a rough guide to average salaries at the start of the career. But remember that this may not be a good guide to how much is paid when people have gained more experience.

- 1 = £5,000 - £10,000
- 2 = £10,000 - £15,000
- 3 = £15,000 - £20,000
- 4 = £20,000 - £25,000
- 5 = £25,000 - £30,000

CONDITIONS

Work both inside and outside. They may also work in cramped and uncomfortable positions.

They travel from site to site mainly locally, but it could involve

Working with People **3** working further afield.

Travel Opportunity **4**

Number of Jobs **10**

Salary **3+**

CONDITIONS

They can work on building sites, in offices or private houses.

The conditions can be cold damp and dirty. The work can involve a lot of

Working with People **3** travelling and possibly staying away from home.

Travel Opportunity **4**

Number of Jobs **10**

Salary **2+**