

IET The Institution of
Engineering and Technology

Future Focus

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Games Developer



Computer Games Developers make games that can be played online, and on mobile phones, PCs and games consoles.

Entry salary	£19.5K
Potential salary	£59K
Education level	5
Career happiness	10
Career vacancies	9

Web Designer



Web Designers use their creative and technical skills to design new websites and redesign existing ones.

Entry salary	£18K
Potential salary	£40K
Education level	5
Career happiness	9
Career vacancies	8

Anaesthetist



Anaesthetists are doctors who give anaesthetics to patients before, during and after surgery.

Entry salary	£27K
Potential salary	£75K
Education level	7
Career happiness	8
Career vacancies	5

Clinical Engineer



Biomedical Engineers or Clinical engineers design, develop and maintain equipment for diagnosing illness and treating patients.

Entry salary	£24K
Potential salary	£44K
Education level	5
Career happiness	8
Career vacancies	7

How to play

Any number of people can play

- Print the cards and cut them out.
- Shuffle and deal the cards face down.
- Each player holds their cards so that they can see the top card only. The player to the dealers left starts by reading out an item from the top (e.g. Entry salary £18K).
- The other players then read out the same item.
- The one player with the best or higher value wins and places all the top cards including their own to the bottom of their pile. It is then their turn again to choose an item from the next card.
- If two or more cards share the top value, then all the cards are placed in the middle and the same player chooses again from the next card. The winner of the hand takes the cards in the middle as well.
- The person with all the cards at the end is the winner.

Accounting Technician



Accounting Technicians handle day-to-day financial matters in all types of business.

Entry salary	£18K
Potential salary	£30K
Education level	3
Career happiness	4
Career vacancies	5

Helicopter Engineer



Helicopter Engineers service and repair helicopters.

Entry salary	£30K
Potential salary	£50K
Education level	5
Career happiness	9
Career vacancies	8

Civil Engineer



Civil Engineers design and manage construction projects, from bridges and buildings to transport links and sports stadiums.

Entry salary	£20K
Potential salary	£80K
Education level	7
Career happiness	8
Career vacancies	9

Bricklayer



Bricklayers build houses, repair walls and chimneys, and refurbish decorative stonework. They also work on restoration projects.

Entry salary	£15K
Potential salary	£35K
Education level	2
Career happiness	3
Career vacancies	8

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Merchant Navy Engineer



Merchant Navy Engineers maintain the mechanical and electrical machinery and instruments on board a ship.

Entry salary	£8K
Potential salary	£70K
Education level	2
Career happiness	8
Career vacancies	5

Lawyer



Lawyers advise clients about the law and act on their behalf in legal matters.

Entry salary	£12K
Potential salary	£100K
Education level	6
Career happiness	6
Career vacancies	4

Tax Officer



Tax Officers make sure the correct amount of tax is paid and investigate cases of fraud.

Entry salary	£27K
Potential salary	£53K
Education level	5
Career happiness	5
Career vacancies	5

Police Officer



Police Officers keep law and order, investigate crime, and support crime prevention.

Entry salary	£21K
Potential salary	£42K
Education level	2
Career happiness	5
Career vacancies	5

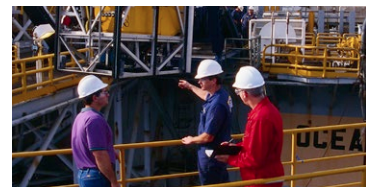
Hospital Doctor



A Hospital Doctor diagnoses and treats illness and disease in patients admitted to hospital.

Entry salary	£38K
Potential salary	£88K
Education level	7
Career happiness	8
Career vacancies	5

Marine Engineer



Marine Engineers design, build, test and repair boats, ships, underwater craft, offshore platforms and drilling equipment.

Entry salary	£24K
Potential salary	£55K
Education level	5
Career happiness	9
Career vacancies	8

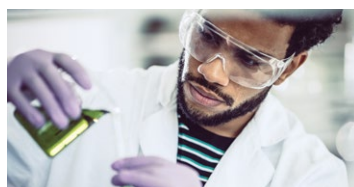
Mechanical Engineer



Mechanical Engineers develop and design the components and machinery used in manufacturing, construction and other industries.

Entry salary	£22K
Potential salary	£55K
Education level	5
Career happiness	7
Career vacancies	9

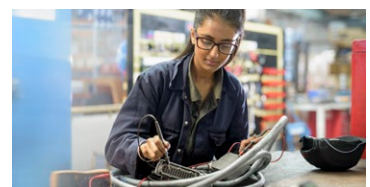
Chemical Engineer



Chemical Engineers develop ways to turn raw materials into everyday products.

Entry salary	£29K
Potential salary	£60K
Education level	5
Career happiness	8
Career vacancies	8

Electrical Engineer



Electrical Engineers design, build and maintain electrical systems, machinery and equipment.

Entry salary	£20K
Potential salary	£60K
Education level	5
Career happiness	7
Career vacancies	9

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Energy Engineer



Energy Engineers research, design and build power generation plants, and work in the oil and gas industry.

Entry salary	£20K
Potential salary	£80K
Education level	7
Career happiness	9
Career vacancies	10

Architect



Architects design new buildings and the spaces around them, and work on the restoration and conservation of existing buildings.

Entry salary	£28K
Potential salary	£90K
Education level	8
Career happiness	5
Career vacancies	9

Food Scientist



Food Scientists and food technologists develop food and drink products, making sure they are safe to consume.

Entry salary	£20K
Potential salary	£45K
Education level	5
Career happiness	7
Career vacancies	6

Forensic Scientist



Forensic Scientists prepare traces of physical evidence for use in courts of law.

Entry salary	£20K
Potential salary	£45K
Education level	5
Career happiness	7
Career vacancies	6

Teacher



Secondary School Teachers teach children from 11 to 16, or up to 19 in schools with sixth forms.

Entry salary	£24K
Potential salary	£41K
Education level	5
Career happiness	7
Career vacancies	7

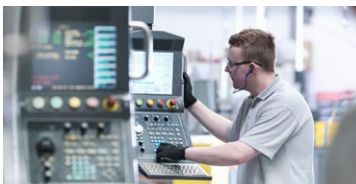
Electronics Engineer



Electronics Engineers design, build and maintain electronic systems and components.

Entry salary	£21K
Potential salary	£65K
Education level	5
Career happiness	8
Career vacancies	9

Mechatronics Engineer



Mechatronics and Robotics Engineers design and build machines to do automated jobs in industries like manufacturing, aerospace and medicine.

Entry salary	£28K
Potential salary	£55K
Education level	5
Career happiness	9
Career vacancies	10

IT Service Engineer



IT Service Engineers install and repair computer systems and equipment.

Entry salary	£18K
Potential salary	£30K
Education level	3
Career happiness	6
Career vacancies	4

Vet



Vets diagnose and treat sick or injured animals.

Entry salary	£30K
Potential salary	£50K
Education level	6
Career happiness	8
Career vacancies	5

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Computer Games Tester



Computer Games Testers play computer games to check they work and find and record problems or 'bugs'.

Entry salary	£15K
Potential salary	£40K
Education level	3
Career happiness	10
Career vacancies	7

Forensic Computer Analyst



Forensic Computer Analysts investigate computer-based crime, often called cyber crime.

Entry salary	£20K
Potential salary	£60K
Education level	3
Career happiness	9
Career vacancies	8

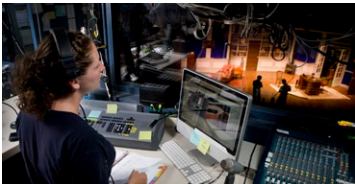
Software Developer



Software Developers design, build and test computer programs for business, education and leisure services.

Entry salary	£20K
Potential salary	£70K
Education level	3
Career happiness	7
Career vacancies	8

Live Sound Engineer



Live Sound Engineers control the sound at events like theatre performances, music concerts and festivals.

Entry salary	£25K
Potential salary	£40K
Education level	5
Career happiness	9
Career vacancies	6

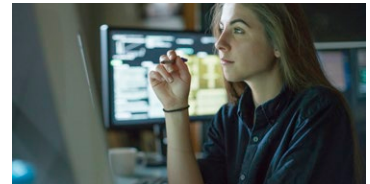
Textiles Designer



Textile Designers create fabric designs and patterns for woven, knitted and printed materials for clothes and interior furnishings.

Entry salary	£15K
Potential salary	£40K
Education level	5
Career happiness	8
Career vacancies	5

Newspaper Journalist



Newspaper Journalists investigate and write up stories for local, regional and national newspapers.

Entry salary	£15K
Potential salary	£50K
Education level	5
Career happiness	6
Career vacancies	8

Hairdresser



Hairdressers cut, style and colour clients' hair to create the look they want.

Entry salary	£14K
Potential salary	£30K
Education level	3
Career happiness	5
Career vacancies	4

Firefighter



Firefighters help to protect people from fire and other dangers, and give advice on fire prevention.

Entry salary	£24K
Potential salary	£38K
Education level	3
Career happiness	7
Career vacancies	7

Design Engineer



Design engineers improve product performance and efficiency while researching and developing new manufacturing ideas and systems.

Entry salary	£20K
Potential salary	£55K
Education level	5
Career happiness	8
Career vacancies	9

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Manufacturing Engineer



Manufacturing Engineers design and install manufacturing equipment and assembly production lines.

Entry salary	£20K
Potential salary	£45K
Education level	5
Career happiness	9
Career vacancies	9

Materials Engineer



Materials Engineers research the behaviour of materials used in industry to make them stronger, lighter and more hard-wearing.

Entry salary	£20K
Potential salary	£45K
Education level	5
Career happiness	9
Career vacancies	9

Aerospace Engineer



Aerospace Engineers design, build and maintain planes, spacecraft and satellites.

Entry salary	£20K
Potential salary	£60K
Education level	5
Career happiness	10
Career vacancies	9

RAF Engineering Officer



Royal Air Force (RAF) Engineering Officers manage teams of airmen and airwomen in the maintenance of RAF aircraft and equipment.

Entry salary	£27K
Potential salary	£42K
Education level	3
Career happiness	8
Career vacancies	5

Sport Physiotherapist



Sports Physiotherapists diagnose and treat sports injuries.

Entry salary	£23K
Potential salary	£45K
Education level	5
Career happiness	6
Career vacancies	6

Air Accident Investigator



Air Accident Investigators search for the causes of accidents and serious incidents, involving civilian aircraft.

Entry salary	£72K
Potential salary	£82K
Education level	7
Career happiness	9
Career vacancies	3

Automotive Engineer



Automotive Engineers design, develop, test and build cars and motorbikes.

Entry salary	£20K
Potential salary	£45K
Education level	5
Career happiness	8
Career vacancies	7

Rail Engineer



Rail Engineers install and service mechanical and electrical systems on trains.

Entry salary	£18K
Potential salary	£35K
Education level	3
Career happiness	8
Career vacancies	10

Quarry Engineer



Quarry Engineers explore new sites, oversee extraction operations and manage sites at the end of their commercial life.

Entry salary	£22K
Potential salary	£60K
Education level	5
Career happiness	8
Career vacancies	9