

ENGINEERING



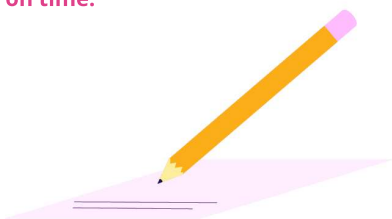
CHEMICAL ENGINEERING

- **ENERGY ENGINEER**
Work on the research, design, and construction of power generation plants, and may be involved in drilling for gas and oil.
- **MATERIALS ENGINEER**
Research the behaviour of materials used in industry to help make them stronger, lighter or more durable.
- **CHEMICAL ENGINEER**
Develop ways to turn raw materials into everyday products.



CIVIL ENGINEERING

- **HYDROLOGIST**
Research the distribution, circulation, and physical properties of underground and surface waters.
- **CIVIL ENGINEER**
Design and manage construction projects, from bridges and buildings to transport links and sports stadiums.
- **ENVIRONMENTAL ENGINEER**
Minimise pollution in order to protect the environment.
- **CONSTRUCTION MANAGER**
Responsible for the success of building projects, making sure that the work is completed safely, within budget and on time.



MECHANICAL ENGINEERING

- **MOTORSPORT ENGINEER**
Design, develop, test and build cars and motorbikes.
- **MECHANICAL ENGINEER**
Develop and design the components and machinery used in manufacturing, construction, water, power, health, and transport.
- **RAILWAY ENGINEER**
Install railways and service mechanical and electrical systems on trains.



ELECTRICAL ENGINEERING

- **ELECTRICITY DISTRIBUTION WORKER**
Maintain and repair the power lines that connect homes and businesses to the national grid.
- **AEROSPACE ENGINEER**
Design, build and maintain planes, spacecraft and satellites.
- **ELECTRONICS ENGINEER**
Design and develop systems for industry, from mobile communications to manufacturing aerospace.



SKILLS REQUIRED

- team working
- analytical skills
- problem-solving
- maths skills
- management skills

SALARY

Civil, chemical, mechanical, and electrical
UK annual median: £41,505 – £50,866

Engineering professionals:
London annual median: £47,194
Top 3 regions: Scotland (£46,913), London (£47,194), East Midlands (£45,690)

PROSPECTS

Science, research, engineering, and technology professionals:

UK growth: +9.1% from 2017 to 2027, creating 159,466 jobs
London growth: +11.2% from 2017 to 2027, creating 36,165