

Energy engineer

Renewable energy engineer

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

Average salary

(a year)

£20,000 to £80,000

Starter

Experienced

Typical hours

(a week)

41 to 43

a week

Skills and knowledge

You'll need:

- knowledge of engineering science and technology
- maths knowledge
- analytical thinking skills
- to be thorough and pay attention to detail
- thinking and reasoning skills
- excellent verbal communication skills
- the ability to use your initiative
- knowledge of building and construction
- you will be expected to use a computer confidently as part of this job.



Electronics engineer

Electronics engineers design and develop systems for industry, from mobile communications to manufacturing and aerospace.

Average salary

(a year)

£21,000 to £65,000

Starter

Experienced

Typical hours

42 to 44

a week

Skills and knowledge

You'll need:

- knowledge of computer operating systems, hardware and software
- knowledge of engineering science and technology
- maths knowledge
- to be thorough and pay attention to detail
- analytical thinking skills
- design skills and knowledge
- the ability to work well with others
- to be flexible and open to change





CAD technician

Computer-aided design (CAD) technicians use software to design buildings, machinery, goods and components.

Average salary

(a year)

£15,000 to £35,000

Starter

Experienced

Typical hours

(a week)

39 to 41

a week

Skills and knowledge

You'll need:

- design skills and knowledge
- maths skills
- to be thorough and pay attention to detail
- excellent verbal communication skills
- knowledge of engineering science and technology
- thinking and reasoning skills
- the ability to work well with others
- the ability to use your initiative
- you will be expected to know how to use a computer and tools to benefit this job.



Skills and knowledge

You'll need:

- knowledge of engineering science and technology
- maths knowledge
- design skills and knowledge
- to be thorough and pay attention to detail
- excellent verbal communication skills
- science skills
- analytical thinking skills
- the ability to read English
- you will be expected to use a computer confidently as part of this job.

Aerospace engineer

Aeronautical engineer

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

Average salary

(a year)

£20,000 to £60,000

Starter

Experienced

Typical hours

(a week)

39 to 41

a week



Civil engineer

Engineering consultant

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

Average salary

(a year)

£24,000 to £80,000

Starter

Experienced

Skills and knowledge

You'll need:

- knowledge of engineering science and technology
- maths knowledge
- knowledge of building and construction
- design skills and knowledge
- excellent verbal communication skills
- knowledge of English language
- thinking and reasoning skills
- the ability to read English



Automotive engineer

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

Average salary

(a year)

£20,000 to £45,000

Starter

Experienced

Typical hours

(a week)

39 to 41

a week

Skills and knowledge

You'll need:

- maths knowledge
- knowledge of engineering science and technology
- design skills and knowledge
- knowledge of physics
- to be thorough and pay attention to detail
- analytical thinking skills
- the ability to use, repair and maintain machines and tools
- thinking and reasoning skills
- you will be expected to use a computer confidently as part of this job.



Materials engineer

Materials scientist

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

Average salary

(a year)

£20,000 to £45,000

Starter

Experienced

Typical hours

(a week)

39 to 41

a week

Skills and knowledge

You'll need:

- knowledge of engineering science and technology
- maths knowledge
- knowledge of chemistry including the safe use and disposal of chemicals
- knowledge of physics
- analytical thinking skills
- knowledge of manufacturing production and processes
- excellent verbal communication skills
- to be thorough and pay attention to detail