

Key Skills

- problem-solving skills
- the ability to use your initiative
- the ability to use, repair and maintain machines and tools
- knowledge of building and construction
- Maths knowledge for understanding technical plans
- to be thorough and pay attention to detail
- to be able to carry out basic tasks on a computer or hand-held device
- the ability to work well with your hands and use equipment safely
- customer service skills for working with colleagues and clients

Salary

£18,000 - £42,000

Working hours

30-40
a week
on call

as customers demand

Electrician

College

A college course can give you some of the technical knowledge and practical skills you'll need to become an electrician. You'll still need practical experience in the workplace to become fully qualified.

Relevant courses include:

- Level 2 Diploma in Access to Building Services Engineering (Electrical)
- Level 2 and Level 3 Diploma in Electrical Installation
- T Level in Building Services Engineering for Construction

Entry requirements

You'll usually need 2 or more GCSEs at grades 9 to 3, for a level 2 course, 4 or 5 GCSEs at grades 9 to 4 for a level 3 course or 4 or 5 GCSEs at grades 9 to 4, including English and Maths for a T level

Direct Application

You may be able to get a job as an electrician if you've got experience and relevant qualifications from a related career, for example building services or electrical engineering.

Apprenticeship

You can do an installation and maintenance electrician advanced apprenticeship or domestic electrician advanced apprenticeship. You can also train to become an electrician through an apprenticeship in the armed forces.

Entry requirements

You'll usually need 5 GCSEs at grades 9 to 4, including English and Maths, for an advanced apprenticeship

Career path and progression

With experience, you could:

- become an electrical design engineer
- become a site or project manager
- set up your own business
- train apprentices or teach in further education

Day to Day tasks:

Depending on the type of electrician you are, you could:

- repair electric parts in machines
- build and install electric control panels
- rewire homes and business properties
- fit wires, sockets and switches in homes
- check electrical systems to make sure they're safe
- install street lights and traffic management systems

Working conditions

You could work on a construction site, at a client's business, at a client's home or on the streets.

Your working environment may be cramped and at height.

You may need to wear protective clothing.



Labour Market Information

In the Careers section of the school website you can find the useful comparison tool the 'Labour Market Information widget'.

Use the widget to compare different job roles in any employment sector or relating specifically to the 'Job of the Week'.

Electricians and electrical fitters

Weekly Pay £670	Annual Pay £34,840
Hours/Week 45h	Hourly Pay £15

Workforce Change (projected)

Contraction -5.4%	Replacement 52%
-----------------------------	---------------------------

The workforce is projected to contract by -5.4% over the period to 2027, losing 12,500 jobs.
In the same period, 52% of the workforce is projected to retire, creating 121,200 job openings.

You might find this job in

- Specialised construction
- Construction
- Retail trade
- Civil engineering
- Wholesale trade

[More info](#)

[Clear card](#)

Engineering technicians

Weekly Pay £760	Annual Pay £39,520
Hours/Week 35h	Hourly Pay £22

Workforce Change (projected)

Growth 0.7%	Replacement 43.1%
-----------------------	-----------------------------

The workforce is projected to grow by 0.7% over the period to 2027, creating 700 jobs.
In the same period, 43.1% of the workforce is projected to retire, creating 41,900 job openings.

You might find this job in

- Specialised construction
- Head offices, etc
- Public admin. & defence
- Metal products
- Machinery, etc

[More info](#)

[Clear card](#)

Construction and building trades n.e.c.

Weekly Pay £590	Annual Pay £30,680
Hours/Week 44h	Hourly Pay £13

Workforce Change (projected)

Contraction -1.4%	Replacement 50.7%
-----------------------------	-----------------------------

The workforce is projected to contract by -1.4% over the period to 2027, losing 3,500 jobs.
In the same period, 50.7% of the workforce is projected to retire, creating 123,500 job openings.

You might find this job in

- Construction
- Specialised construction
- Civil engineering
- Real estate
- Services to buildings

[More info](#)

[Clear card](#)

Labour Market Information



Electricians and electrical fitters

Electricians and electrical fitters assemble parts in the manufacture of electrical and electronic equipment, and install, maintain, and repair electrical plant, machinery, appliances and wiring.

Common tasks in this job:

- examines drawings, specifications and wiring diagrams to determine the method and sequence of operations;
- selects, cuts and lays wires and connects to sockets, plugs or terminals by crimping, soldering, brazing or bolting;
- cuts, bends and installs electrical conduit;
- assembles parts and sub-assemblies using hand tools and by brazing, riveting or welding;

Back

Clear card

Powered by LMI For All.

Engineering technicians

Engineering technicians perform a variety of technical support functions to assist engineers with the design, development, operation, installation and maintenance of engineering systems and constructions.

Common tasks in this job:

- plans and prepares work and test schedules based on specifications and drawings;
- sets up equipment, undertakes tests, takes readings, performs calculations and records and interprets data;
- prepares estimates of materials, equipment and labour required for engineering projects;
- diagnoses and detects faults and implements procedures to maintain efficient operation of systems and equipment;

Back

Clear card

Construction and building trades n.e.c.

Those working in construction and building trades n.e.c. undertake a variety of tasks in the construction, alteration, maintenance and repair of buildings, steeples, industrial chimneys and other tall structures, and of underwater structures not elsewhere classified in MINOR GROUP 531: Construction and Building Trades.

Common tasks in this job:

- selects, measures and cuts steel bars, rods and wire to required lengths, positions and fixes reinforcements into position and tensions as required using hydraulic jacks;
- lays bricks, tiles and building blocks to construct, repair and decorate buildings;
- pours and levels concrete, prepares surfaces for painting and plastering, and mixes and applies plaster and paint;
- installs plumbing fixtures, woodwork structures and fittings, and sets glass in frames;

Back

Clear card

Keep looking...

Use these links to learn more about our Job of The Week, consider the various pathways leading to the career, what you can be doing now to help yourself and other roles in the industry...

Useful Websites

<https://recruitment.raf.mod.uk/apprenticeships>

[Apprenticeships & skills \(mod.uk\)](https://www.mod.uk/apprenticeships)

[Electrician | Explore careers | National Careers Service](https://www.nacsc.gov.uk/electrician)

[Electrical Courses at Boston College | Connect Life with Learning](https://www.bostoncollege.ac.uk/electrical)

[How to become an Electrician | Careers | WorldSkills UK](https://www.worldskills.org/careers/electrician)

[Other Useful Sites - Electrical Careers](#)

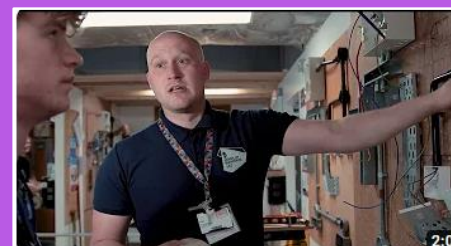
Take a look at these short videos for inspiration...

Electrician - Roles in the Army - Army Jobs



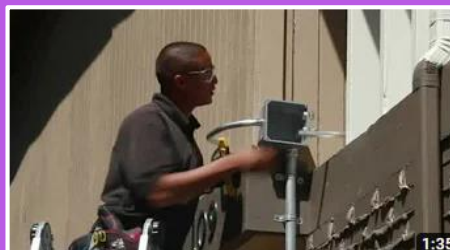
<https://www.youtube.com/watch?v=YVgZUejOBHg&pp=ygUTZWxlY3RyaWNpYW4gaW4gYXJteQ%3D%3D>

Electrical Installation Leeds City College



<https://www.youtube.com/watch?v=zqSgAhCbhU&pp=ygUTZWxlY3RyaWNpYW4gYXQgY29sbGVnZQ%3D%3D>

Electricians Career Video



<https://www.youtube.com/watch?v=Rw8gAGYZ6qs&pp=ygUSY2FyZWVvIGVsZWNOcmlijaWFu>

Electrician



<https://www.youtube.com/watch?v=Pxl9NRWZ7iw>

Aspire | Challenge | Achieve