

## Electrical apprenticeships

### What does an electrician do?

Electricians install, maintain and repair electrical systems, such as switchboards, motors, cables, fuses, heating, lighting, crime and fire alarm systems, renewable energy technologies and more.

An electrician may work in commercial, industrial and home environments. They will sometimes work on-site as part of a team, or could also work individually.



### Which apprenticeships are there as an electrician?

- Advanced: Installation electrician and maintenance electrician (level 3)
- Advanced: Marine electrician (level 3)
- Advanced: Highways electrician or service operative (level 3)
- Degree: Electrical or electronic technical support engineer (level 6)



### What could your typical daily tasks include?

- Installing power systems, lighting, security, and network systems
- Checking and maintaining electrical systems so that they are working safely
- Building and installing control panels that operate electrical systems in buildings
- Fitting or replacing electrical wiring, sockets and switches
- Working with renewable technology, such as solar power and 'smart' heating systems



### How long will the apprenticeship take to complete?

A typical apprenticeship will take between 2 - 5 years to complete



### How much could you earn?

As a qualified electrician, you can earn on average between £18,000 - £42,000 a year, depending on your experience and location

## Electrician

### Useful skills you will develop as an electrician

- Problem solving skills
- Understanding how to work safely
- Ability to deal with complex tasks
- Ability to follow technical plans/drawings
- Ability to use initiative & maths knowledge
- Practical skills to work with handheld tools

### Qualifications you might need

- Entry requirements will be determined by individual employers. Some employers may require certain GCSEs, but the majority of employers will be looking for someone with a willingness to learn and a genuine interest in becoming an electrician.
- If you have completed a level 1 or 2 qualification in construction or multi-trades, this can help to demonstrate basic skills to the employer.

### Qualifications you will gain

- The apprenticeship qualification.
- If GCSEs in maths and English have not already been achieved, then you will work towards Level 2 by the end of your apprenticeship.
- Eligible to register as Eng Tech by the Engineering Council.

### Other trades and professions that electricians might interact with:

- Plasterers
- Plumbers
- Architects
- Project managers
- Carpenters
- Gas engineers



### How could you progress?

By gaining skills and experience as an electrician, you could also have a successful future career as a:

- Team leader/supervisor
- Site or project manager
- Electrical design engineer
- Estimator
- Teacher/trainer
- Business owner – by starting your own business

