



Electrician

[Electrical competent person](#)

[ECS Registered Electrician](#)

What do they do?

Electricians check electrical systems to make sure they're safe. They also build and install electric control panels and repair electric parts in machines. In addition, they install street lights and traffic management systems. Simpler tasks include fitting wires, sockets and switches in homes and also rewiring homes and business properties.

Electricians install and repair electrical power systems in businesses, homes, factories and public spaces. Their main duties include planning the layout of electrical wiring, diagnosing electrical problems and conducting general electrical maintenance.



Do I need to go to College?



- [Bolton Sixth Form College](#)
- [Thornleigh](#)
- [Salesian College](#)
- [Turton Sixth Form College](#)
- [Runshaw College](#)

College courses:

A-level Maths and [Physics](#) for those wanting to study at degree level (electrical engineering) but not essential to work as an electrician.

T-level Engineering [course](#).

Electrical engineering [HND](#) (2 years full time).

North west regional college apprenticeship [here](#).

Apprenticeships nationally here:

[Find apprenticeships](#)

How do I get into College?

A grade 5 or above in Maths and Science and a 5 in English is needed for A-levels. The T-level course requires a minimum of five GCSEs at 4 or above, including Maths, English and Science. In addition, you will be required to attend a formal interview. HND requires 5 GCSEs at 4 or above and one A-level at grade C.

Can I get work experience?

[Plan your career](#)

Siemens work experience [here](#).

Bolton council [guidance](#).

University degree?

BEng (Hons) Electrical Engineering

MEng (Hons)

Providers:

[Undergrad Electrical engineering](#)



How do I get onto the degree course?

Complete three A-levels and gain at least BBB (including Maths and Physics).

How long is the course?

Most courses last 3 (BEng) or 4 years (MEng).

Degree apprenticeship?

Providers (list not exhaustive):

[University of Bolton](#)

[Rolls Royce](#)

How do I get onto

Degree Apprenticeships

How long is the course and what work experience will I gain?

The degree is normally 3 years long. Your time working in industry will include study days at University to allow you to

List of national apprenticeships [here](#).
Electrical or electronic support engineer training providers [here](#).
Enter your postcode on the website and search for [live](#) vacancies.

complete the theoretical components.
Also see [NHS jobs](#) for general vacancies.
GE apprentice jobs [here](#).
Siemens apprentice roles [here](#).