BECOMING AN...

Installation and Maintenance Electrician

Also known as: Electrician | Installation electrician | Maintenance electrician

Skills England

ROUTES TO A CAREER



Level 3

Installation and Maintenance Electrician

Install, maintain and repair electrical systems in industrial, commercial and residential environments.

Average salary **£38,616** a year

Key requirements: ECS card commonly required for electrical installation work and commissioning/sign-off. All routes require an industry assessment of occupational competence (AM2).

Start here

Did you know? You can move between technical and academic pathways.

Technical route

Gain practical skills through vocational qualifications, apprenticeships and real-world experience.

Level 2

GCSEs / vocational GCSEs
May include English, mathematics, physics, engineering or design technology

Certificate/diploma
May include electrical installation, engineering or building services

Level 3

T Level
Building services engineering for construction

Apprenticeship
Installation and maintenance electrician

Diploma/extended diploma
Electrotechnical qualification

Academic route

Study classroom-based qualifications and progress to higher education.

Level 2

GCSEs / vocational GCSEs
May include mathematics, English language, combined science, design and technology, engineering or digital technology

Level 3

A Levels
May include mathematics, physics, design and technology

T Level
Building services engineering for construction

Where this job could lead

With experience and further learning you could progress to:

Electrical supervisor | Building services engineer | Electrical engineer | Project engineer | Contracts manager

Other ways in

You might also be able to move into this job from:

Domestic electrician roles | Electrical labourer roles | Facilities maintenance roles | Maintenance operative roles | Construction trades with electrical experience

Further learning options

Level 4

HNC or diploma
Typically electrical engineering, building services or engineering technologies

Apprenticeship
Building services engineering senior technician

Level 5

Apprenticeship
Electrical or electronic technical support engineer

HND or foundation degree
Typically electrical engineering, building services engineering or energy technologies

Level 6

Degree
Typically electrical engineering, power engineering or building services engineering

Gain experience and develop your skills

Job shadowing
Shadowing qualified electricians on installation, testing and maintenance work.

Work experience
Placements with electrical contractors, maintenance teams or building services companies.

Clubs and enrichment
STEM clubs, engineering societies or electrical skills competitions.

Volunteering
Assisting with community building projects.

Projects
Wiring circuits, fault-finding and electrical installation projects.

The routes shown are examples and do not include every option. You do not need to complete every stage shown, and people may enter or progress at different points depending on their skills and experience.

Based on Skills England occupational standards and the UK Standard Skills Classification. Qualification names are examples; availability varies by provider.