



# Careers in Electrical Installation

*Your guide to training, jobs and opportunities in electrical installation*

Liverpool & Merseyside | Level 1 to Level 3 | Apprenticeships available

## Why Choose a Career in Electrical Installation?

- High demand and excellent earning potential — one of the best-paid trades
- Varied work — domestic wiring, commercial systems, industrial installations
- Progression opportunities — specialise in solar, EV charging, smart systems
- Problem-solving work — diagnosis and maintenance of complex electrical systems
- Independence — many electricians become self-employed with strong business prospects
- Entry routes for all — Level 1 courses need no prior qualifications

## Skills and Personal Qualities

- Technical knowledge — electrical theory, circuit design, safety regulations (BS 7671)
- Practical skills — wiring, installation, testing, fault diagnosis
- Problem-solving — troubleshooting electrical issues systematically
- Safety awareness — electrical hazards, safe working practices, personal protection
- Precision — accurate installations, correct connections, proper finishing
- Communication — explaining technical concepts to customers, following specifications

## Useful School Subjects

- Physics — electrical theory, voltage, current, resistance, power
- Maths — circuit calculations, measurements, cost estimates
- Design & Technology — system design, CAD reading, building regulations
- Science — understanding renewable energy, solar and battery systems

## Local Courses (Levels 1 to 3)

Courses are available at local colleges across Merseyside. Many courses accept students without GCSEs.

### Electrical Installation Courses (Levels 1 to 3)

- City of Liverpool College — Electrical Installation L1 Certificate, L2 Diploma, L3 Diploma | 18th Edition BS 7671 short courses
- Hugh Baird College — Electrical Installation L1, L2, L3 | NVQ Level 3 (apprenticeship)
- St Helens College — Electrical Installation L1, L2, L3 | T-Level Building Services Engineering (Electrotechnical)
- Knowsley Community College — Electrical Installation L1, L2, L3 Technical Diploma | T-Level Construction (Electrotechnical Engineering)

- Riverside College, Widnes — Electrical Installation L1, L2, L3 | Evening part-time options available

### SEND-Friendly & Supported Provision

- Supported study options may be available — speak to your careers adviser about what could work for you

### Apprenticeships and Training

- Electrical Installation Apprenticeship — Level 2 (18 months–2 years)
- Advanced Electrical Apprenticeship — Level 3 NVQ (earn while you learn)
- Electrical Maintenance Apprenticeship — industrial and commercial settings
- Major construction firms, electrical contractors and utilities recruit apprentices
- Search live vacancies: [www.findapprenticeship.service.gov.uk](http://www.findapprenticeship.service.gov.uk)
- Supported Internships (for students with an EHCP) are run by local colleges with their selected employer partners — ask your careers adviser whether this route could suit you

### Jobs, Volunteering and Work Experience

Electrical careers span domestic, commercial and industrial work, with growing green-energy specialisms.

Role	Where You Work	Starting Qualification
Apprentice Electrician	Electrical contractors + college	Level 2 Apprenticeship
Qualified Electrician	Domestic and commercial installations	Level 3 NVQ + AM2
Electrical Technician	Testing, fault diagnosis, specialist systems	Level 3 + experience
Supervisor / Team Lead	Managing electricians on projects	Level 3 + experience
Self-Employed Electrician / Own Business	Own client base	Level 3 + registration

**Apprentices earn around £19,000–£24,000. Qualified electricians earn £28,000–£40,000, technicians £30,000–£42,000, supervisors £35,000–£50,000, and self-employed electricians £45,000–£70,000+.**

### Work Experience & Volunteering

- Visit college open days to see the workshops and facilities
- Ask your school or careers adviser about local training providers
- Contact local employers about work experience placements

### Next Steps and Contact Information

- Visit college open days and websites
- Search for local jobs: [www.indeed.co.uk](http://www.indeed.co.uk) | [www.notjustjobs.com](http://www.notjustjobs.com)
- Find apprenticeships: [www.findapprenticeship.service.gov.uk](http://www.findapprenticeship.service.gov.uk)

<b>TAGS Careers</b>	<a href="http://www.tags.careers">www.tags.careers</a> — local careers information and resources
<b>Colleges</b>	City of Liverpool: <a href="http://www.liv-coll.ac.uk">www.liv-coll.ac.uk</a>   Hugh Baird: <a href="http://www.hughbaird.ac.uk">www.hughbaird.ac.uk</a>   St Helens: <a href="http://www.sthelens.ac.uk">www.sthelens.ac.uk</a>   Knowsley: <a href="http://www.knowsleycollege.ac.uk">www.knowsleycollege.ac.uk</a>   Riverside: <a href="http://www.riversidecollege.ac.uk">www.riversidecollege.ac.uk</a>
<b>More Support</b>	Your careers adviser can provide additional guidance tailored to your needs
<b>Apprenticeships</b>	<a href="http://www.findapprenticeship.service.gov.uk">www.findapprenticeship.service.gov.uk</a>   <a href="http://www.indeed.co.uk">www.indeed.co.uk</a>   <a href="http://www.notjustjobs.com">www.notjustjobs.com</a>