



JOB of the Week



Job name: Electrician

Job description:

Electricians use a working knowledge of electrical systems to conduct maintenance, fault-finding, and diagnostics on existing systems.

They install new electrical systems, including lighting and heating, to customer standards and maintain those systems while upholding safety guidelines and complying with codes and regulations

Tasks you will undertake in the job: You'll need to:

- Diagnose and repair electrical problems in commercial and domestic electrical systems, including fault-finding, rewiring, and monitoring
- Assess the parts needed for a job and place orders for those parts
- Conduct routine maintenance and testing on commercial and domestic electrical systems, and ensure installations are to manufacturer standards, including in fire alarms and security systems
- Rewire faulty electrical systems, such as lighting, heating systems, and alarms
- Ensure good quality workmanship which upholds company standards, complies with building codes, and follows safety requirements
- Work alone to find and present faults and concerns in electrical systems without receiving explicit direction
- Provide exceptional customer service and answer any customer questions
- Install electrical systems to 17th edition wiring regulations, including installing heating and cooling systems
- Provide professional assessments and advice for customers
- Possess working knowledge of Siemens Building Management Systems and Phillips lighting systems
- Possess working knowledge of IEE regulations, City & Guilds 2360 and 2382 qualifications, and inspection and testing certificate (2391)
- Demonstrate familiarity with NICEIC requirements

Skills required for this job (core competencies):

Communication	Resilience	Organisation	Teamwork
Problem Solving	Initiative	Creativity	Digital literacy

Sectors in which Electricians would normally work:

Your work will depend on what type of electrician you are, for example: installation electrician - install power systems, lighting, fire protection, security and data networks in buildings

maintenance electrician - check electrical systems to make sure they're working correctly and safely

electrotechnical panel builder - make and install control panels that operate electrical systems in buildings, like heating or alarms

machine repair and rewind electrician - fix and maintain electrical motors and transformers found in industrial equipment

highway systems electrician - install and maintain street lighting and traffic management systems

Working environment

You could work on a construction site, at a client's business, at a client's home or outside in a variety of sites

Salary: Electricians are typically paid a starting wage of £18 000, this increases with experience, skilled Electricians can expect to earn approximately £42 000 per year



Working hours: Working hours are usually around 30 - 40 hours per week. You may need to work some evenings and weekends. Many Electricians work through on call where you can be called out to a job at any time of the night or day

Qualifications to become an Electrician:

You can get into this job through a college course; an apprenticeship or by applying directly to a company you are familiar with

College: You can take a Level 2 and 3 Diploma in Electrical Installation, which may help you to find a trainee position with a company. Entry requirements - You'll usually need: 2 or more GCSEs at grades 9 to 3 (A* to D), or equivalent, for a level 2 course or 4 or 5 GCSEs at grades 9 to 4 (A* to C), or equivalent, for a level 3 course

Apprenticeship

You can do an installation electrician advanced apprenticeship. You can also train to do this job in the armed forces (Army / Royal Air Force). Entry requirements - You'll usually need: 5 GCSEs at grades 9 to 4 (A* to C), or equivalent, including English and maths, for an advanced apprenticeship

You'll need a Construction Skills Certification Scheme (CSCS) card or equivalent to train and work on a construction site

Essential skills you need to show: You'll need to have:

- 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
- problem-solving skills
- the ability to use your initiative
- the ability to work well with your hands and use equipment safely
- customer service skills for working with colleagues and clients
- to be able to carry out basic tasks on a computer or hand-held device

This job in the future: The workforce is projected to decline by -8.6%, losing 20 600 jobs; in the same period, 50.3% of the workforce is likely to retire, creating 121 200 job opportunities.

www.icould.com

www.successatschool.org

www.nationalcareers.service.gov.uk

www.prospects.ac.uk/jobs-and-work-experience/job-sectors

www.ucas.com/careers-advice

www.kudos/cascaid.co.uk/#/ (you all have a log on for this service)

www.careersbox.co.uk (careers videos)

Helpful sites for careers information
GAT careers links

<http://airhead.io/public/launchpads/XqbuOMJgb0OfqvMPCykcZA>

