

Apprenticeship Training Programme

Phase 1: *With Employer*

Induction Training
Introduction to Health & Safety Training
Introduction to Tools & Equipment
Introduction to Basic Skills

Phase 2: *Delivered in Training Centre (20 weeks)*

Course Content:

Induction
Electricity 1
Installation Techniques 1 (Domestic)
Installation Techniques 2 (Industrial)
Panel Wiring and Motor Control
Related Theory

Phase 3: *With Employer*

Work Based Assessments

Phase 4: *Delivered in Educational Colleges (11 weeks)*

Course Content:

Electricity 2
Power Distribution 1
Electronics 1
Related Theory

Phase 5: *With Employer*

Work Based Assessments

Phase 6: *Delivered in Educational Colleges (11 weeks)*

Course Content:

Automation Control
Access Control and Alarm Systems
Electricity 3
Power Distribution 2
Electronics 2
Related Theory

Phase 7: *With Employer*

Work Based Assessments

The overall duration of this apprenticeship is a minimum of 4 years provided all phases are successfully completed. On successful completion of the programme the learner is awarded a Level 6 Advanced Certificate Craft - Electrical.



For further information please contact:

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or log onto www.SOLAS.ie

The Craft of Electrical



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 **Apprenticeship**

KNOWLEDGE. SKILL. COMPETENCE

Overview

The electrician is involved in the installation, commissioning, testing and maintenance of various wiring systems and services in domestic, commercial and industrial applications. Work ranges from wiring of domestic houses, offices and retail units to more complex systems involving instrumentation, process control and maintenance in industrial plants, hospitals and power stations. Electricians also service, maintain and repair electrical equipment, both domestic and industrial.

Work activities

Electricians employed by the Electricity Supply Board (ESB) engage in electrical power supply and distribution.

Electricians employed by electrical contractors are usually engaged in the installation of lighting, heating and power equipment and the repair of existing equipment and appliances.

Those in industrial employment are generally engaged in the maintenance and repair of factory plant, machinery and generating equipment.

Personal qualities and Skills

To be an electrician you must have practical skills because you will use a variety of tools and equipment. You must be able to read and interpret technical drawings and follow safety procedures very carefully.

Electricians need strong problem-solving skills, so you have to be well organised, thorough and methodical.

You must enjoy seeing a job through from start to finish.

You will also need good communication and interpersonal skills, to work well with other electricians and professionals. You will be required to explain your work clearly to customers, reassuring them with your knowledge and using a calm, professional manner.

Electricians should be physically fit because the job usually involves kneeling, bending and lifting heavy equipment.

Aspects of Work

- Learning new practical skills
- Working with electricity or electronics
- Learning and developing new craft-related skills, knowledge & competence
- Understanding and using physics
- Being accurate with numbers in counting, measuring and arithmetic
- Travelling around from place to place
- Doing small and detailed tasks needing careful handling
- Practical skills and theoretical knowledge
- Understanding technical drawings and diagrams
- Being well-organised and careful with practical tasks
- Taking responsibility for own learning, including the allocation of study time

Opportunities

Opportunities arise from time-to-time for promotion to supervisor level. Many persons use an apprenticeship as a first step in proceeding to such occupations as instructors, teachers, training advisers, managers and owners of businesses.

Where apprentices and crafts persons have the necessary ability, initiative and basic qualifications, opportunities are available for advancement. These include advanced technological and management courses which are available in Institutes of Technology, schools of management, professional institutes, etc.

Apprentices anxious to advance themselves in their careers are advised to discover for themselves what opportunities are available.

Educational Requirements

The minimum age at which the employment of an apprentice may commence is 16 years of age.

The minimum educational requirements are:

1. Grade D in five subjects in the Department of Education & Science Junior Certificate Examination or an approved equivalent,
or
2. The successful completion of an approved Pre-Apprenticeship course
or
3. Three years' work experience gained over sixteen years of age in a relevant designated industrial activity as SOLAS shall deem acceptable

You must obtain a job as an apprentice in your chosen occupation. Your employer must be approved to train apprentices and must register you as an apprentice within 2 weeks of recruitment.

In certain crafts, apprenticeship applicants are required to pass a colour vision test approved by SOLAS.