

## Electrical Installation



Subject Area	Construction
Course Type	School Leavers
Study Level	Level 2
Delivery Mode	Full-time
Duration	1 Academic Year
Start Date	September 2025
Course Code	PA000392

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### Course Summary

Our Level 2 Diploma in Electrical Installation provides you with the fundamental knowledge and skills required to begin a career as an installation electrician. The course combines theoretical understanding with practical skills development, preparing you for both further study and workplace readiness.

Like an installation electrician working in a domestic, commercial or industrial environment, you will demonstrate an understanding of electrical scientific principles, the installation of different wiring systems, enclosures and equipment, circuit theory and installation methods, electrical testing procedures and much more. On successful completion of this qualification, you will be at an Improver/Electrician's mate level.

### What You Will Learn

You will learn about the importance of health and safety in the electrical industry, electrical theories including; Ohm's Law, power equations, and resistance, the principles of alternating current (AC) and direct current (DC), electromagnetic principles and

mathematical calculations for electrical installations.

You will also take advantage of learning about green skills and sustainability with a big focus on smart technology, energy efficiency and an awareness of solar pv, electric vehicle charging points and battery storage. There's never been a better time to train as a modern electrician.

## Modules

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- Health and safety in building services engineering
- Principles of electrical science
- Electrical installations technology
- Installation of wiring systems and enclosures
- Understand how to communicate with others within building services engineering

## Entry Requirements

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Entry to this course requires GCSE maths and English at a grade 4 as a minimum.

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