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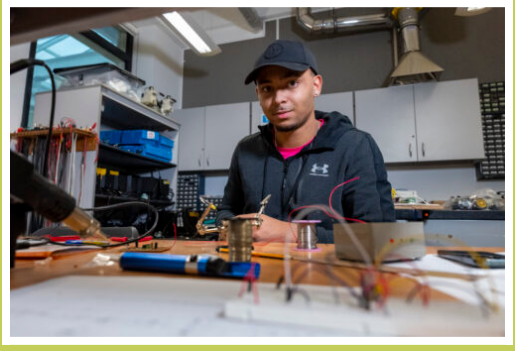
Level 3 Electrical Installation for Adults



Subject Area	Construction
Course Type	Adult (19+)
Study Level	Level 3
Delivery Mode	Full-time
Duration	1 Year
Start Date	September 2027
Course Code	PA000794

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Course Summary

Our Level 3 Electrical Installation adult course provides you with a comprehensive and industry‑focused pathway to continue your studies into the electrical sector, building on your existing skills and preparing you for advanced technical work. This programme is designed for learners who are ready to progress beyond the fundamentals and develop the deeper knowledge, practical ability and professional understanding required to work confidently in a wide range of electrical environments.

Throughout the course, you'll explore the scientific and technical principles that underpin modern electrical systems, while gaining hands‑on experience with the tools, equipment and methods used across the industry. You'll develop the ability to interpret technical information, follow industry standards, and apply safe working practices in real‑world scenarios.

What You Will Learn

You'll deepen your technical expertise and build the advanced skills needed to work

confidently and safely in the electrical industry. The course takes you beyond the basics and into the real‑world principles that drive modern electrical systems.

You'll explore how electrical properties influence circuits, systems and equipment, and get to grips with the operating principles of D.C. machines, A.C. motors and key electrical components. You'll learn how lighting systems are designed and applied, and develop a strong understanding of supply characteristics and consumer equipment.

You'll also build the knowledge needed to design electrical installations, carry out safe testing and commissioning, and complete all required certification and documentation. This includes testing before circuits are energised, testing live systems, and ensuring installations meet industry standards.

As the course progresses, you'll learn how to identify electrical faults, understand why they occur, and apply the correct procedures and techniques to diagnose and fix them. You'll also gain hands‑on experience commissioning electrical systems and equipment in line with current requirements.

By the end of the programme, you'll have the advanced knowledge, practical skills and professional confidence to take your next step in the electrical installation industry.

Modules

- Principles of Electrical Science
- Electrical Design and Installation Practices and Procedures
  Principles of Inspection
- Testing and Commissioning Electrical Systems
- Inspecting Testing and Commissioning Electrical Systems
- Electrical System Fault Diagnosis and Rectification
  Requirements for Electrical Installations (BS7671)

Entry Requirements

Learners progressing internally must have completed the Level 2 Electrical Installation qualification at Bradford College and have a good understanding of maths and English skills; including problem-solving, listening, speaking, reading, writing and communication.

Work Experience

As part of your Key Stage 5 Technical qualification, you will take part in employer

involvement to gain meaningful experience of the workplace and develop industry‑relevant skills. This will be in the form of employer‑led activities during your course giving you a clear understanding of real working environments, strengthening your learning, and helping ensure your qualification is valued by industry.

Progression

Successful completion of this course can lead to opportunities for employment or an apprenticeship.

Careers include:
Installation Electrician (Domestic, Commercial, Industrial)
Maintenance Electrician
Electrical Fitter
Renewable Energy Installer

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