



# Foundation Electrics for Mechanical Technicians

At PASS training we are committed to delivering training to the highest standards. We value customer feedback and use it to continually refine our courses. Having trained hundreds of candidates, our programs are designed to be professional and led by experienced tutors. Our goal is to equip our customers with the knowledge and skills to achieve officially recognized qualifications across a range of disciplines.

Our trainers deliver courses in a clear, approachable, and enjoyable way, ensuring you have the best possible learning experience. Every trainer is fully qualified and accredited, and they work closely with you throughout the course to ensure you gain the knowledge you need.

## Course Overview

The Foundation Electrics for Mechanical Technicians is a three-day course designed for those working within a mechanical and electrical environment who would benefit from increased awareness of electrical principles and practices as part of their role.

Participants will gain knowledge and understanding through theoretical and practical perspectives, ideal for technicians that are working in a maintenance environment. This is the first electrical course any delegate from a mechanical background should enrol on, however this course does not qualify you as an electrician.

## Key Information

**Duration:** 3 Days

**Price:** £850.00 + VAT

**Booking Code:** LVFEM

**Location:** Stockton

**Max Delegates:** 6

**Contact:** 01642 987 978



# Course Details

## Course Aim

The course is designed for mechanical technicians who want to cross-train in electrical fundamentals. It will equip them with the knowledge and skills to carry out first-line electrical maintenance tasks. These tasks include: safe isolation of electrical systems, fault diagnosis, replacing and testing of electrical devices, safely and effectively.

This training will assist mechanical technicians in upskilling their knowledge to perform routine checks and maintenance across various environments, such as maintaining factory assembly lines, manufacturing facilities, and distribution/warehouse centres.

## What Does the Course Cover?

- ▶ Electrical legislation and regulations
- ▶ Electrical safety
- ▶ Arc Flash awareness (definition, CAL ratings & how this applies in the workplace)
- ▶ Basic principles of electricity
- ▶ Safe Isolation
- ▶ Testing on 0V circuits (multi-meter use, continuity testing, insulation resistance testing – Megohmmeter)
- ▶ Single phase and 3 phase motors
- ▶ Variable frequency drives
- ▶ Safety Relays (purpose, function & how they differ to normal circuits)
- ▶ Practical exercises

## Entry Requirements

This course is designed for non-electrical candidates who are looking to cross-train for electrical maintenance tasks. To attend this course, you should be an mechanical/ non-electrical engineer or technician.

## Assessments

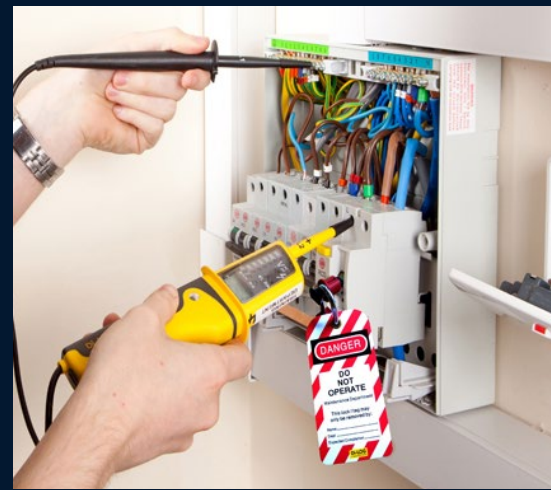
Once the learning modules have been completed you will be assessed through a written examination and a practical examination.

## Course Certification

For those who successfully complete the course and assessment you will receive a PASS Certificate of Attendance for Foundation Electrics.

## Related Courses

- ▶ Introduction to Inspection & Testing of Electrical Installations
- ▶ Basic Electrical Training Course for Beginners



## Find Out More

If you are interested in this course and would like to find out more about the content, or the facilities available to you, then contact the training centre. We are always happy to answer all your questions. Or visit the course pages on our dedicated electrical training website:

[www.electricaltrainingcourse.co.uk](http://www.electricaltrainingcourse.co.uk)

## Phone

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## Email

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## Online

[www.electricaltrainingcourse.co.uk](http://www.electricaltrainingcourse.co.uk)

## Head Office Address

1 Alberto Street, Stockton, TS18 2BQ

## About Us

PASS Training and Development is a fully accredited training provider of City & Guilds, LCL and MCA training courses in Electrical, Gas, PAT Testing and Thermography.

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