

COURSE DATA SHEET

| Electrical Principles, Circuits & Safety



PTT Introduction Course

This 1-day course covers an introduction to electrical principles and basic circuit configurations. Students will learn the fundamentals of what constitutes an electric current and the essential differences between Direct Current (DC) and Alternating Current (AC). Students will be introduced to the basic equations - familiar to all electrical engineers - enabling them to design circuits and predict measured values. This will be supported by practical exercises constructing and testing basic circuit arrangements.

An important aspect of the course will be to gain an appreciation of the hazards which electricity can bring so as to be able to work safely within their level of competency.

Course Content

- Introduction to electrical principles and circuits
- Essential safety awareness when working with electricity
- Practical exercises in building basic circuits and taking measurements

Course notes will be provided

Completion of the Day will result in candidates receiving a PTT course attendance certificate.

Who should attend this course?

This course is open to all, with little or no experience of the topics outlined above, and simply wishing to widen their knowledge of electrical engineering. It could also be used to by those contemplating a career in electrical engineering to see if they have the aptitude to make further progress in the subject. One possible follow-on course could be the City & Guilds 2377-77 qualification (In-Service Inspection and Testing of Electrical Equipment (ISITEE)). Please refer to the separate data sheet for more details.

Course Entry Requirements

There are no formal qualifications required to take the course. It is recommended, however, that students be competent in basic maths to a level including fractions and simple equations.

Duration & Cost

1-day £195 + VAT

Includes refreshments and buffet lunch.



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