

ELECTRONIC PRINCIPLES

PAT TESTING

The world of electronics is now so pervasive, that it's almost easier to think of things that don't use electronics than of things that do. This course offers a fundamental, practical understanding of electronics and is vital for everyone involved in the installation, repair, maintenance and commissioning of all electronic security systems.

COURSE CONTENT

- ▶ Ohms Law
- ▶ Electronic symbols and components
- ▶ Recognising resistor colour codes
- ▶ Alternating and Direct Current (AC/DC)
- ▶ Using the multimeter to measure, voltage, current and resistance
- ▶ Practical work with series and parallel circuits
- ▶ Calculating power (Watts)
- ▶ Batteries and power supplies
- ▶ Safety devices
- ▶ Health and Safety

BTEC ADVANCED AWARD

COURSE DATES

2015		AUGUST	27
FEBRUARY	5	OCTOBER	8
APRIL	8	2016	
JUNE	4	JANUARY	7
JULY	23	MARCH	30

COURSE COST, DURATION AND AWARD

£185.00 + VAT	BTEC Diploma Points: 1
Duration: 1 day	Course fee includes BTEC level 3 certificate

There are no prerequisites. All are welcome.

This training course is designed to ensure that those responsible for the management and testing of electrical equipment are familiar with the requirements of the electricity at work regulations 1989 and the use of the relevant IET code of practice.

COURSE CONTENT

- ▶ Regulations and Responsibilities
- ▶ Electrical Safety
- ▶ Classes of appliance
- ▶ Preliminary inspection of equipment
- ▶ Precautions during testing
- ▶ Using a portable appliance tester
- ▶ Essential and optional tests
- ▶ Documentation and labelling
- ▶ Practical and written assessments
- ▶ Practical reports and testing



COURSE DATES

2015		SEPTEMBER	29 - 30
FEBRUARY	2 - 3	DECEMBER	2 - 3
MAY	6 - 7	2016	
JULY	28 - 29	FEBRUARY	9 - 10

COURSE COST, DURATION AND AWARD

£450.00 + VAT	Duration: 2 days
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There are no prerequisites. All are welcome.