

PAT Testing Course

City & Guilds 2377-12 & 2377-11

Course code TS4U-77

Every commercial electrical appliance needs PAT testing. This potentially lucrative qualification is an economic necessity for any practising and entrepreneurial electrical professional.



Two qualifications, taken together to give you the best possible return on your time and investment. Most candidates use the advantage of taking the two together. You must not be able to take the 2377-12, without first having.

This course option includes both the City & Guilds 2377-12 Operators Registration and Examination and the City & Guilds 2377-11 Management Qualification. If you are looking to only undertake the Operators Registration & Examination 2377-12 you should choose the 2377-12 course only

These two day 'practical' course in our workshop/classroom covers everything necessary to successfully achieve the City and Guilds certifications. The courses include both a theory element and practical elements.

Course Content Option 2377-12

- Electrical Safety
- Regulations role and responsibilities
- Insulation and earthing
- Classification of appliances
- Preliminary Inspection, test precautions
- Using a Portable Appliance Tester
- Essential tests
- Optional tests
- Labeling tests
- Reporting and recording results

- Implementing a test programme
- Practical Assessment

Course Content Optional extra 2377-11

Law and scope of relevant legislation

Types, use and testing of electrical equipment.

Categories, frequency and practicalities of PAT testing

Procedures, documentation and user responsibility

Identify training required for PAT testing

Appropriate test instruments and how they are use

Exams

The 2377-12 PAT Testing exam consists of 30 questions with a time limit of 1 hour. This exam will be conducted at our centre in a comfortable environment.

Exam 2377-11 PAT Testing exam consists of 45 questions with a time limit of 90 minutes. It follows completion of the 2377-12 exam.

We suggest you Pre-read these books below.

The reference book 'Codes of Practice for In-Service Inspection and Testing of Electrical Equipment' 3rd Edition ISBN Number 978-0-86341-833-4 is required for this course.

This book is available from www.theiet.org or good electrical suppliers, copies are also available for sale at our centre.

Initial Inspection & Testing

City & Guilds 2392

Course code TS4U-92

This Initial Inspection & testing course has been designed and developed by the electrical industry and City & Guilds specifically for the Domestic Electrical Installer or those many existing contractors new or unfamiliar to inspection and testing. It's a 'must have' if your goal is to register under the Domestic Installer scheme.



Why should I do this course/qualification?

Testing and Inspection is often a difficult subject for even the most experienced of electricians. The City and Guilds 2392 Inspection and testing qualification, not only demystifies testing, it also provides you with a qualification and certificate to show you are competent to undertake the work.

It's a very essential skill and qualification to have for anyone undertaking electrical installations.

Course Content

- Preparation for initial inspection and testing
- Electrical Inspection & Testing
- Training is use of multi function testing meters
- Safe isolation procedures and equipment
- Inspection & testing documentation
- Continuity of Protective Conductors
- Continuity of Ring final circuit conductors
- Insulation Resistance
- Protection by SELV
- Polarity
- Earth Electrode Resistance

- Earth fault loop impedance
- RCD testing
- Prospective fault current
- Verification of volt drop.

Entry Requirements

There are no formal entry requirements for this qualification. However we must ensure that all our candidates have the potential and opportunity to successfully gain this qualification.

It would be expected that candidates have a basic knowledge and understanding of electrical science and principles and experience of electrical installation either within the electrical industry or allied trade.

This qualification is not approved for use by candidates under the age of 18. City and Guilds will not accept any registrations for candidates under this age.

It is essential that you have the following books as reference material:

- Guidance Note 3: Inspection and Testing (Guidance Notes for BS 7671) (Paperback) ISBN-13: 978-0863418570
- IEE On-site Guide; BS 7671 : 2008 IEE Wiring Regulations 17th Edition (Spiral-bound) ISBN-13: 978-0863418549