

Portable Appliance Testing (PAT)

Summary:

This course provides an explanation of the practical aspects of complying with legislation concerning the safe operation of electrical appliances. There are two units Part 1 – Competent Management of Electrical Equipment Maintenance, and Part 2 – Competence for the Inspection and Testing of Electrical Equipment.

Course content:

Electricity at work regulations, duties to persons, risk assessment, classifying appliances, and producing an asset register.

Entry requirements:

This course is suitable for individuals who have some responsibility for, and who like to get involved in the maintenance of electrical appliances.

Information:

Part 1

Length	2 days
Start Date(s)	Various
Fee	£170
Course Code	C445
Location	Bedford College

Part 2

Length	2 days
Start Date(s)	Various
Fee	£170
Course Code	C446
Location	Bedford College

Wind Generation Certificate

Summary:

Alternative energy is set to be the biggest growth area in domestic energy installations the UK has ever experienced. This course will enable you to debate these changes, learn theory and take part in practical work experience in the installation and set up of wind turbines.

Course content:

Types of wind turbine, basic sizing and costing, capabilities and limitations, health and safety, turbine siting, introduction to types of turbines, servicing, basic electrical theory, wind power basics, wind energy, basic aerodynamics, foundations and turbine installations.

Entry requirements:

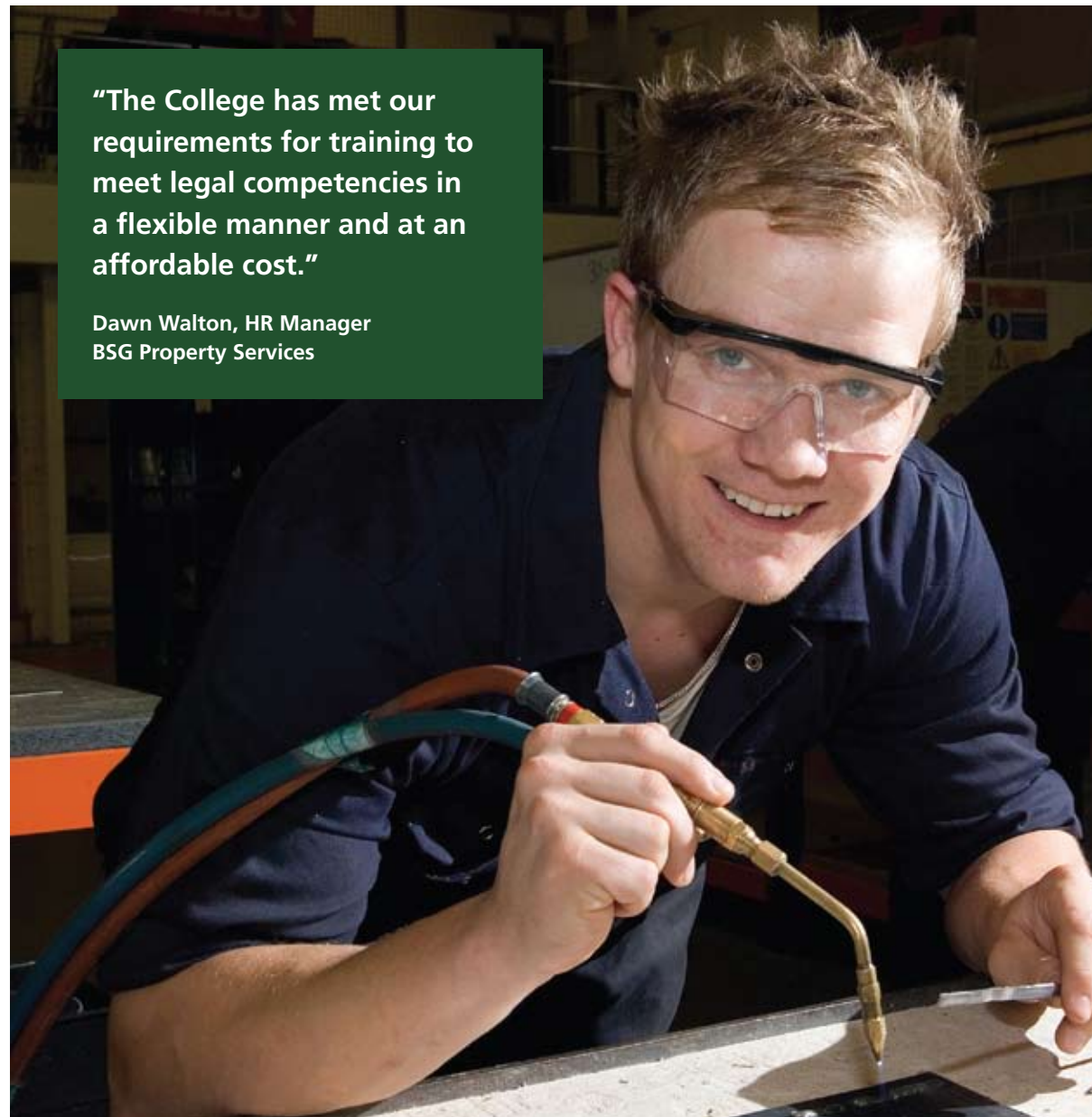
This course is suitable for those with an interest in alternative energy and electricians wishing to diversify their business and skills.

Information:

Length	3 days
Start Date(s)	Various
Fee	£570
Course Code	C1238
Location	Bedford College

“The College has met our requirements for training to meet legal competencies in a flexible manner and at an affordable cost.”

Dawn Walton, HR Manager
BSG Property Services



We also offer a wide range of courses for the construction and maintenance, gas and plumbing industries. To obtain a copy of our training guide call our business development team on 01234 291000 or visit www.bedford.ac.uk



- Earthing & Bonding of Electrical Installations
- Electricity at Work Regulations 1989

We do not have any planned dates for these courses, but if you and your colleagues are looking or training in this area, we can do this for you. For more details contact our business development team on 01234 291000.

Please note: Whilst every effort is made to ensure the information within this guide is correct at the time of printing, some details may be subject to change. Bedford College reserves the right to make amendments to the courses, dates, fees and other details, and to make cancellations or changes if numbers are insufficient. In the unfortunate situation that we have to cancel a course, we will refund your fees in full, but we regret we are not able to refund if you withdraw from your course or fail to start, and you will be liable to pay any outstanding fees that may be due.

How to contact us

For more information, please contact our business development team:
Tel: 01234 291000 • Fax: 01234 291979 • Email: employertraining@bedford.ac.uk • Web: www.bedford.ac.uk
Bedford College Training Services, Cauldwell Street, Bedford, MK42 9AH



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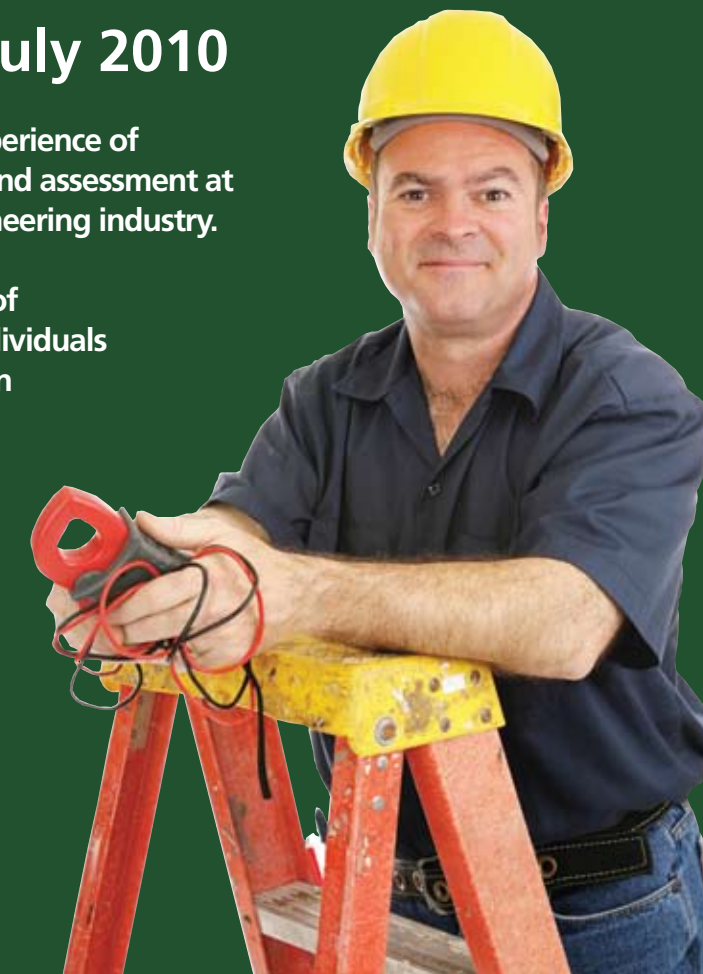
bedford college
training services
DEVELOPING PEOPLE & PERFORMANCE

electrical installation

Industry Training
September 2009 – July 2010

Bedford College has over 10 years' experience of providing successful, quality training and assessment at affordable prices to the electrical engineering industry.

We provide training for a wide range of employers – each year hundreds of individuals use our state-of-the-art facilities to gain recognised industry qualifications, with employers directly benefiting from the relevant industry skills they learn.



Electrotechnical Technology Certificate (City & Guilds 2330) Levels 2 & 3

Summary:

These courses have been designed to contain skills and knowledge that reflect the scope of the National Occupational Standards, including principles of electrotechnology, health and safety and installation.

Course content:

Level 2: Working effectively and safely in an electrotechnical environment, principles of electrotechnology, application of health and safety and electrical principles, and installation (buildings and structures).

Level 3: Electrical principles, health and safety, inspection testing and commissioning, and fault diagnosis and rectifications.

Entry requirements:

This course is suitable for those working in electrical installation wishing to achieve an industry recognised qualification.

Progression:

Electrical Installation NVQ Level 3.

Information:

Length	2 evenings per week for 2 years or 1 day per week for 2 years
Start Date(s)	September start
Fee	£770*
Course Code	Various
Location	Bedford College
* This fee is payable annually	

Electrotechnical Services NVQ Level 3

Summary:

NVQs help experienced workers get the qualifications to prove that they can do the job. This course will give you the vital skills needed to obtain a qualified works Electrotechnical Certification Scheme (ECS) card quickly and easily.

Course content:

Safe site working, diagnosing and correcting electrical faults, provide technical and functional information, maintain a safe and healthy working environment, prepare to install wiring systems, wiring enclosures and equipment, install wiring systems, connect wiring systems and equipment using safe and approved methods, and inspect, test and commission.

Entry requirements:

This course is intended for experienced workers who want to get a recognised qualification to prove they can do the job.

Information:

Length	Up to 12 months
Start Date(s)	Flexible
Fee	Funding available, call for more details.
Course Code	C1072
Location	Delivered in the workplace.

17th Edition Wiring Regulations (City & Guilds 2382)

Summary:

These courses provide in-depth and up-to-date information on the regulations, ensuring full compliance with the format, content, applications and requirements for the Electrical Installations BS7671:2008.

Course content:

Assessment of general characteristics, selection and erection of equipment, protection for safety, and inspection and testing.

Entry requirements:

These courses are designed for qualified electricians who are familiar with the scope and application of the 17th Edition Wiring Regulations.

Information:

Length	3 days or 1 evening per week for 6 weeks.
Start Date(s)	Various
Fee	£360
Course Code	C923 (3 days) C957 (evenings)
Location	Bedford College
Update course:	
Length	1 day
Start Date(s)	Various
Fee	£130
Course Code	C943
Location	Bedford College

Building Regulations for Electrical Installation Contractors for Dwellings Certificate (City & Guilds 2393-10)

Summary:

This course explores the Building Regulations and provides an update on the recent changes and their impact on the building industry, particularly focusing on the electrical installation industry.

Course content:

Part F (ventilation), Part L (conservation of fuel and power), Part P (electrical safety – dwellings), and not so recent changes including Part A (structure), Part C (site preparation and resistance to moisture), Part E (resistance to the passage of sound), Part M (access to and use of buildings), Part B (fire safety), danger involving electricity, earthing arrangements, switching/isolation of circuit/equipment protection, earthing and bonding, and inspection/testing requirements of electrical installation.

Entry requirements:

This course is designed for all individuals involved in the building process.

Information:

Length	1 day
Start Date(s)	Various
Fee	£130
Course Code	C941
Location	Bedford College

Design, Erection & Verification of Electrical Installations Certificate (City & Guilds 2391-20)

Summary:

Previously known as the qualification 2391-02 (and the 2400 prior to that), this qualification covers designing electrical installations, essential calculations for correct selection of wiring systems, and correct procedures to ensure compliance with BS7671:2008.

Course content:

Designing electrical installations, essential calculations for correct selection of wiring systems, and correct procedures to ensure compliance with BS7671:2008

Entry requirements:

This qualification is intended for personnel in electrical contracting companies that have responsibility for the quality of the design, specification, installation and inspection and testing processes.

Information:

Length	5 days
Start Date(s)	Various
Fee	£635
Course Code	C1225
Location	Bedford College

Domestic Installers Certificate (Part P)

Summary:

This course explores the IEE Regulations, particularly their practical on-site application, and enables individuals to register so that they can self-certify their work to meet building regulation requirements.

Course content:

Assessment of general characteristics, definitions, protection for safety, and inspection and testing.

Entry requirements:

The five day course is for individuals who carry out electrical work in dwellings and want the ability to self-certify their work. The one day course is for qualified electricians who already hold the 17th Edition Wiring Regulations.

Information:

Length	5 days
Start Date(s)	Various
Fee	£720
Course Code	C442
Location	Bedford College
Update course:	
Length	1 day
Start Date(s)	Various
Fee	£330
Course Code	C447
Location	Bedford College

Inspection, Testing & Certification of Electrical Installations Levels 2 & 3 (City & Guilds 2392-10/2391-10)

Summary:

These courses provide a detailed exploration of the inspection and testing requirements of the IEE Regulations, enabling electricians to gain the qualifications to test and inspect electrical installations, and ensuring they meet the standards of the current regulations.

Course content:

Inspection and testing regulations, continuity of protective conductors, ring main and protective conductor continuity, insulation resistance and earth electrode resistance, earth fault loop impedance, and functional testing.

Entry requirements:

These courses are best suited to qualified electricians who want to test and inspect electrical installations.

Please note: Individuals must hold the 17th Edition Wiring Regulations Certificate and carry out test procedures to start these courses.

Information:

Level 2	
Length	4 days or 1 day per week over 6 weeks
Start Date(s)	Various
Fee	£490
Course Code	C938 (day) C959 (evening)
Location	Bedford College
Level 3	
Length	4 days or 1 day per week over 6 weeks
Course dates	Various
Fee	£590
Course Code	C357 (day) C958 (evening)
Location	Bedford College

Installing & Testing Domestic Photovoltaic (PV) Systems Certificate

Summary:

This course is intended for qualified electricians who will be required to install grid connected domestic photovoltaic systems that are either integrated into, or retro onto, a domestic systems installation within prescribed specifications and therefore does not cover design or glazed or curtain wall systems.

Course content:

Photovoltaic systems, standards, regulations, guidelines and code of practice, PV safety, system components, and approvals, installation, commissioning, testing and fault finding.

Entry requirements:

This course is suitable for practising qualified electricians.

Information:

Length	4 days
Start Date(s)	Various
Fee	£690
Course Code	C430
Location	Bedford College



We also offer Apprenticeships in the electrical installation industry. For more information call our business development team on **01234 291000**.

