



Sevenoaks

Energy Academy Ltd

"Training for a sustainable future"

plumbing prospectus

City & Guilds
Approved Centre

bpec



GSHP
association

SOLAR
TRADE
ASSOCIATION

REA
RENEWABLE ENERGY ASSOCIATION

about us

Welcome to **Sevenoaks Energy Academy Ltd.**

We offer specialist training with expertise in delivering courses in:

- Plumbing
- Renewable Energy
- Rainwater & Greywater Harvesting
- Energy Efficiency
- Water Regulations
- Legionella Prevention & Water Treatment
- Solid Fuel including Biomass
- Electrical Installation, Inspection and Testing

Our clients range from sole traders to FTSE 100 listed multi national companies who utilise our training facilities for maintaining staff training requirements. We endeavour to cater for all our customers' needs and strive to provide the quality of service that encourages our customers to return to **Sevenoaks Energy Academy** for further professional development. No matter what the size of your organisation, the training you receive will be market leading. We live by our values and quality of service.

why train with us?

Sevenoaks Energy Academy is a modern, nationally approved training centre with City & Guilds, BPEC, LOGIC, NICEIC and HETAS. It is also one of the most comprehensively equipped plumbing & renewable energy training facilities in the UK.

The academy has been designed, built and equipped to offer the ideal learning environment for both traditional Plumbing and Renewable Energy training. The training we deliver is of the highest standard, we have a very low student to trainer ratio (maximum 6:1) and the highest quality training equipment.

Advantages of training at Sevenoaks Energy Academy are:

- Training is of the highest standard
- Very low student to trainer ratio (maximum 6:1)
- The highest quality training equipment

The academy boasts unique custom-built training areas divided into separate training bays enabling you to work in your own bay, including bench work areas and lead working bays.

Our new, air conditioned classrooms each equipped with teaching screens and ergonomically approved furniture ensure the theory part of your course is delivered with your education and comfort in mind.

Our GOLA (Global Online Assessment) centre has been sound proofed to ensure that when students are undertaking their exams, there is no noise interference from outside.

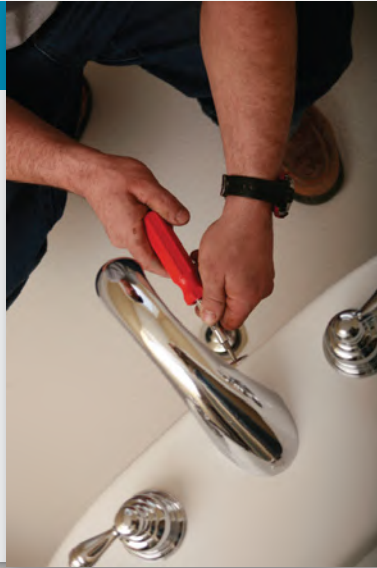
Vending machines are provided in the canteen area for your convenience.

To work as a plumber on site you will need the City & Guilds Level 2 6189 NVQ or the City & Guilds Level 2 6089 NVQ. You can start the 6089 NVQ once you have completed the 6129 technical certificate. The 6189 is a new qualification which will eventually replace the combination of the 6129/6089.

Courses

City & Guilds 6129 Level 2 Technical Certificate in Plumbing

- 12 weeks course duration
 - No previous plumbing experience required
 - 1:6 trainer to student ratio on practical & theory sessions
 - Both theory and practical sessions each week
 - Air conditioned training rooms and canteen
 - Comprehensive, free, good quality plumbers tool kit and personal protective equipment
 - The 6129 is required to progress to the 6089 which is the base qualification required to be termed a qualified plumber.
 - Includes BPEC Water Regulations*
- * Separate 1 Day BPEC course and certification included in course fees for 6129.



City & Guilds 6129 & 6089 package

- City & Guilds 6089 Level 2 NVQ in Plumbing
- City & Guilds 6129 Level 2 Technical Certificate in Plumbing
- Generous DISCOUNT applies when paying for both courses together
- Exactly the same content and training as specified for 6129 & 6089 separately including BPEC Water Regulations
- Advantage of knowing that your place is booked on both courses and a cost saving over booking separately

BPEC Part L Energy Efficiency 1 Day

Approved by CORGI, the Energy Savings Trust and the Heating and Hot Water Information Council, the BPEC Certification Ltd Energy Efficiency qualification has been developed in order to offer any easily administered alternative to the City & Guilds 6084 Energy Efficiency course.

The content and focus of both the training and assessment have been made appropriate to the requirements of plumbers and gas engineers whilst still aiming to satisfy the requirements for compliance with Approved Document L1.

We are a fully accredited BPEC centre approved to offer this qualification which only takes one day to complete.

The one day course consists of a detailed training session which includes the issue of a comprehensive set of documentation to all candidates. This is followed by a 30 question multiple choice open book assessment.

City & Guilds 6089 Level 2 NVQ in plumbing

- Self-employed or employed
- Candidates for 6089 Level 2 must hold the 6129 Level 2 Technical Certificate in Plumbing
- Includes 5 assessments*
- Dedicated NVQ support
- Flexible start dates
- Funding support available subject to criteria
- Onsite assessment carried out by qualified Sevenoaks Energy Academy City & Guilds qualified Assessors
- Completion time varies according to the individual but normally is around 4 to 6 months dependent upon work available to candidate
- Upon completion of the 6089 you will be classed as a qualified plumber to NVQ level 2

You will be subject to a minimum of three onsite visits and a review of evidence carried out by our assessors which is included in the course fees.

* Included in the course fees are a total of 5 onsite assessments anywhere within 100 miles of Sevenoaks Energy Academy. Additional assessments if required are charged at £275 inclusive of expenses. No extra or additional costs will be incurred.

NICEIC Health & Safety 1 Day

This is a one day training & assessment course available to anyone requiring more knowledge of how to reduce the risk associated with tasks that encompass the following fields:

- Manual Handling
- Working at Height
- CoSHH (Control of Substances Hazardous to Health)

A nationally recognised NICEIC certificate is issued to the candidate.

This course is a pre-requisite for the NICEIC PV Installer course.



“The level of support and guidance from my tutor made me confident in my studies and I completed the course with flying colours”

Ross Owen





I enjoyed the courses I attended, the trainers were very knowledgeable and the facilities are the best I have experienced”

Victor Solovyov

LOGIC Building Regulations 1 Day

This course is designed to make plumbers and heating engineers aware of how the Building Regulations apply to their work.

Covers the appropriate requirements from Building Regulations:

- Approved Document Part G - Sanitation, hot water safety and water efficiency
- Approved Document Part H - Drainage and waste disposal
- Approved Document Part M - Access to and use of buildings
- Approved Document Part P - Electrical safety

Knowledge of the Building Regulations and how they affect your work is very important. Failure to comply with Building Regulations can lead to fines of up to £5000 and up to £50 for each day the contravention continues after conviction. Ignorance of the Building Regulations is not a defence.

BPEC Domestic Hot Water Storage Systems 1 Day

The course covers training and assessment for the installation of Vented & Unvented Domestic Hot Water Storage Systems. It is designed to meet the training requirements of the appropriate Building Regulations and Standards.

Training consists of four modules covering:

- Vented & Unvented systems and their operating principles
- Design and installation
- Maintenance
- Compliance with Building Regulations

Please Note that the prerequisite for attending the course is that the candidate holds a recognised trade qualification (the minimum level of qualification being a formal craft qualification e.g. National or Scottish Vocational Qualification (NVQ/SVQ) Level 3 in heating engineering or plumbing) or has evidence of at least two years of experience of working in the plumbing or heating industry.

Training is followed by the completion of three assessments. There is one practical assessment involved in the course. Candidates must successfully pass all three assessments in order to gain the BPEC Vented & Unvented Domestic Hot Water Storage Systems certificate and competency card.

The course is aimed at plumbers and heating engineers who install Vented & Unvented Domestic Hot Water Storage Systems. Successful completion of the course will allow the installer to join a Competent Persons' Scheme which will allow the self-certification of installations. If the installer does not wish to join such a scheme it will demonstrate competency to the local Building Control department when submitting Building Control Notices prior to commencing work.

Other courses available which compliment BPEC Vented & Unvented Hot Water are:

- BPEC Water Regulations
- LOGIC Building Regulations
- BPEC Solar Hot Water Installer
- BPEC Heat Pump Installer
- BPEC Part L Energy Efficiency



new QCF
qualifications

City & Guilds 6189-11 Plumbing & Heating Level 2 NVQ Diploma

Replaces old combination of Level 2 6129 technical certificate and Level 2 6089 NVQ

- Covers plumbing and heating
- No previous experience required
- Maximum 1:6 trainer to student ratio
- Both theory and practical sessions weekly
- Comprehensive, free, quality tool kit included
- BPEC Water Regulations qualification included free

City & Guilds 6189-11 Plumbing & Heating Level 3 NVQ Diploma*

Replaces old combination of Level 6129 technical certificate and 6089 NVQ

- Covers plumbing and heating
- Level 2 6189 or 6089 required
- Maximum 1:6 trainer to student ratio
- Both theory and practical sessions weekly

*Pathway options: Environmental or Solid Fuel

City & Guilds 6189-22 Installing and Maintaining Domestic Heating Systems Level 2 NVQ Diploma

Replaces old combination of Level 2 6129 technical certificate and Level 2 6089 NVQ

- Covers heating only
- No previous experience required
- Maximum 1:6 trainer to student ratio
- Both theory and practical sessions weekly
- Comprehensive, free, quality tool kit included
- BPEC Water Regulations included free

City & Guilds 6189-22 Installing and Maintaining Domestic Heating Systems Level 3 NVQ Diploma*

Replaces old combination of Level 6129 technical certificate and 6089 NVQ

- Covers heating only
- Level 2 6189 or 6089 required
- Maximum 1:6 trainer to student ratio
- Both theory and practical sessions weekly

*Pathway options: Environmental or Solid Fuel

BPEC Water Regulations 1 Day

Covers Water Supply (Water Fittings) Regulations 1999

- WRAS approved course
- One day training and assessment
- Includes manuals and certificate
- Flexible dates

Water Supply (Water Fittings) Regulations 1999

Regulation 1(2) defines an "approved contractor" as a person who:

- a) has been approved by the water undertaker for the area where a water fitting is installed, or, used, or
- b) has been certified as an approved contractor by an organisation specified in writing by the regulator

This one day course has been designed to meet the need for those installers who need to gain the required knowledge of the Water Regulations 1999 before either applying to join their local water authorities "Water Industry Approved Plumber Scheme", or one of the plumbing competent person schemes (CPS).

The course covers the following topics:

- Interpretation and Definitions
- Materials and Substances
- Requirements, Design and Installation
- Backflow and Contamination Prevention
- Hot & Cold Water Services
- Flushing Devices
- Sanitary Appliances, both internal and external

To join a scheme an operative must be competent, have adequate insurance and be knowledgeable on the Water Supply (Water Fittings) Regulations 1999. The Approved Contractor schemes accept the BPEC Water Regulations Qualification for the purposes of the knowledge element of the scheme entry criteria. Visit the Water Regulations Advisory Scheme website www.wras.co.uk for information on their Industry Approved Plumber Scheme.

BPEC Disinfection of Water Systems 1 Day

This course looks at the area of prevention of legionella bacteria growth and Legionnaires' disease. It is a legal requirement of employers and persons in charge of buildings to consider the risks from legionella.

The course covers basic design and maintenance of water systems to minimise the risks from legionella.

The course also covers physically disinfecting hot and cold water systems, the properties of water; with particular focus on how to prevent the development of the harmful legionella pneumophila bacteria which causes Legionnaires' disease.

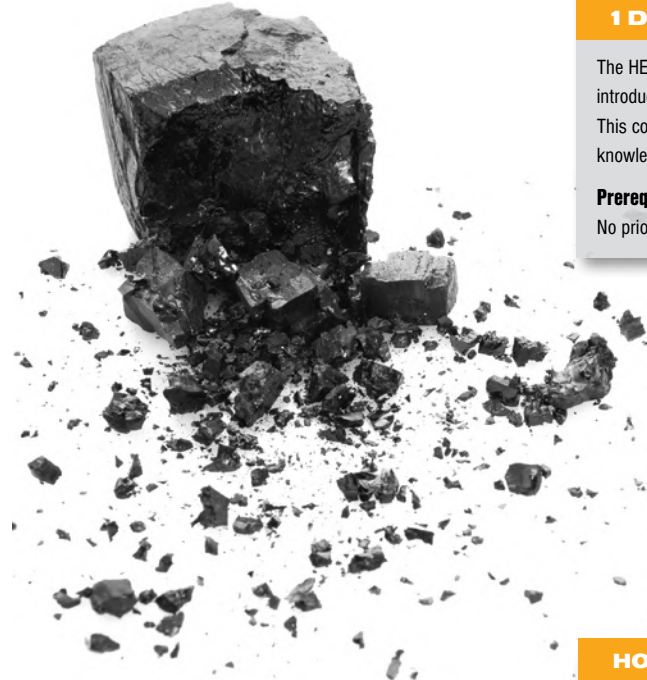
How a water system should be disinfected and the chemicals that are used in this process are also covered. The training course includes a practical demonstration of how to disinfect a water system.

BPEC Risk Assessment of Water Systems 1 Day

This course is aimed at individuals who are responsible for the management and maintenance of hot and cold water systems in residential accommodation e.g. managers of nursing homes and housing associations.

The course provides an introduction to the properties of water and the design of water systems. It is specifically concerned with the risk elements inherent in water systems that might lead to the development of the Legionella bacteria.

Included is a training manual and a log book to be used in the risk assessment of a cold and hot water system to record the details of the system and its performance.



H001 - HETAS Introduction to Solid Fuel 1 Day

The HETAS Introduction to Solid Fuel Course is a basic introduction to solid fuel installations and regulations. This course is aimed at candidates who have no prior knowledge of heating or plumbing.

Prerequisites

No prior experience is needed.



My customers
feel more secure
and assured when
I show them my
qualifications card"

Jonathan Nesbitt

H003 - HETAS Dry Appliance Installer 3 Days

This course is aimed at candidates who have relevant work experience. They should have a knowledge & understanding of building regulations and working experience in the construction/heating industry. This will include both theory and practical assessment.

Successful completion leads to certification that can be used for registration on the competent persons registration scheme for the installation of dry appliances.

Prerequisites

At least one of the following is required prior to attending the H003 course;

- Evidence of OFTEC 101 or 102
- Evidence of Gas Safe registration - CCN1 & HTR1
- Evidence of 2 years working in the domestic building trade as a builder, bricklayer or plumbing/heating engineer, including work on solid fuel appliances and/or chimneys
- Verifiable work experience on dry stove installations.

H002 - HETAS Solid Fuel Regulations and Standards 2 Days

The HETAS Solid Fuel Regulations and Standards Course is a theory awareness course that is designed to introduce candidates to the processes of solid fuel installations.

The course is aimed at show room staff, surveyors, building control officers and architects who need updates on regulations. This includes a theory assessment and certificate which can lead to a listing on the HETAS Approved Retailer Scheme which HETAS has now introduced.

Prerequisites

Any specifier based occupation including shop retailers, construction professionals, architects, building control officers, surveyors or shop keepers looking to gain experience for design.

H004 - HETAS Wet Appliance Installer 1 Day

The HETAS H004 course is aimed at candidates who have relevant plumbing/heating work experience and have already completed the H003 course. This will include both theory and practical assessment.

Successful completion leads to certification that can be used for registration on the competent persons registration scheme for the installation of wet appliances.

Prerequisites

H003 HETAS dry appliance installer course plus one of the following;

- Evidence of OFTEC 101
- Evidence of Gas Safe Registration - CCN1 & CEN1
- Evidence of formal qualifications, NVQ3 City & Guilds (6089) or equivalent
- Verifiable work experience on wet stove installations.

H005BR - HETAS Biomass Building Regulations 1 Day

This course is for engineers who wish to access the HETAS biomass course (H005) but will not be registering for the installation of woodburning, multi-fuel or open fired stoves.

This is a one day course that ensures those engineers from other heating disciplines can gain entry to the HETAS H005 Biomass course without having to take the full 4 day H003/4 courses. The course content covers modules from H003/4 that are relevant to biomass installations and includes items from the building regulations sections G,J,F & L, as they relate to solid fuel appliance installations and so to biomass boilers as well as information on chimney design and principles.

If the H005BR Biomass course is undertaken and successfully completed, the candidate will be issued with a limited scope certificate for the installation of biomass appliances and equipment only. Completion of this course also provides a pathway for MCS registration.

H005 - HETAS Biomass 4 Days

Due to the increasing complexity of biomass appliances & heating systems HETAS has introduced a dedicated biomass training course to meet demand from installers. The course covers appliances up to 45kW intentionally but the training may be appropriate for the installation of appliances up to 100kW, including woodburning stoves, log boilers, pellet appliances & chip boilers.

The course is a mix of theory and practical elements. It enables installers to carry out feasibility studies, and to professionally advise the client on fuel type, storage options & system design. It also covers marketing and the various grants available for biomass systems.

Successful completion of the biomass course allows HETAS registrants to extend their registration categories to include installation of wood pellet stoves or other mechanically fed biomass appliances.

The biomass course will also provide evidence of the competence requirements to meet MCS biomass installer.

Prerequisites

Candidates undertaking the H005 4 day biomass course must have completed HETAS H003 & H004 courses and hold a Part G unvented certificate.

Alternatively one of the following which must include a current Part G unvented qualification;

- OFTEC 101 or 105E qualifications
- Current Gas Safe registration competencies CCN1 & CEN1
- City & Guilds NVQ 6089
- Level 2 & 3 NVQ in Natural Gas & Maintenance (6012) or equivalent
- Verifiable work experience relevant to plumbing & heating with the ability to undertake basic heating design calculations

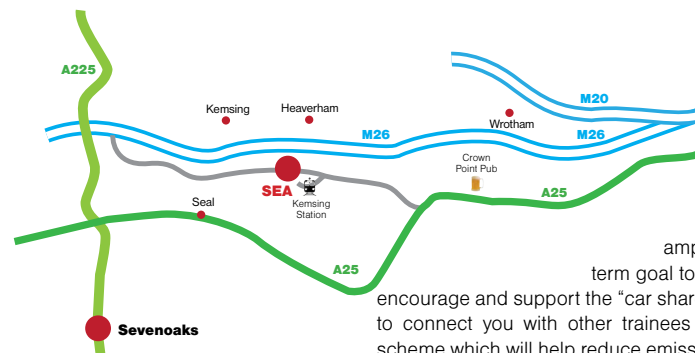
Please note that those who have not undertaken the H003 and H004 courses may be required to undertake the H005BR course which is an extra day training on regulations and legislation.

our trainers

We have a highly qualified and experienced team of trainers at Sevenoaks Energy Academy keen to provide students with the knowledge and skills required to complete their training courses and also to provide them with real world practical skills. Our trainers are qualified to deliver City & Guilds, BPEC, LOGIC, NICIEIC and HETAS courses.

Our team at Sevenoaks Energy Academy have expertise in:

- Plumbing
- Rainwater & Greywater Harvesting
- Solar Thermal (Hot Water)
- Solar PV
- Heat Pumps (Air Source & Ground Source)
- Underfloor Heating
- Lead Working
- Solid fuel including Biomass
- Water Regulations
- Building Regulations
- Energy Efficiency
- Legionella Prevention & Water Treatment
- Registered First Aiders on Site
- Health & Safety including Manual Handling, Working at Heights & COSHH
- Electrical Installation, Inspection & Testing



how to find us

We are conveniently situated a short distance from both the M25 and M20 with Kemsing train station just two minutes walk away. For all trainees arriving by car the academy offers ample parking. As part of our long term goal to help reduce carbon emissions we encourage and support the "car share scheme" and would be delighted to connect you with other trainees who register their interest in the scheme which will help reduce emissions and provide cost savings.



Michael Fallon MP, Julie Walker MD SEA Ltd, and Greg Barker Minister of State for Energy and Climate Change on a recent visit to the Academy in October 2011.



how to book a course

Our team are on hand to answer any questions you may have regarding the courses and training we offer. Booking a course is simple, please call us now on **01732 760077** to speak to one of our training co-ordinators. We welcome your call and will do our best to ensure your training needs are met.

Payment can be made by debit or credit card, bank transfer or cheque. We can also offer advice about government grants and career development loans which may be available to you.

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