

ELECTRICAL SAFETY Training



MAKING
LEARNING
WORK



Forth Valley College is one of **Scotland's leading providers of flexible, business focused training** with an outstanding reputation for delivering real results locally, nationally and internationally.



www.forthvalley.ac.uk

ELECTRICAL SAFETY Training

Why Forth Valley College?

- Forth Valley College is one of **Scotland's leading providers of flexible, business focused training** with an outstanding reputation for delivering real results locally and nationally.
- We are ideally situated in Falkirk, Stirlingshire in the Central Scotland area.
- We have been established for over 20 years, **continually providing an excellent level of tuition** to our candidates.
- Our qualified instructors all have a **vast level of hazardous area experience** within various industries.
- Our state-of-the-art facilities ensure that we exceed the requirements of the current standards set by industry.



experienced



established



reputation



location



Forth Valley College Electrical Safety Training can offer your business the following:

Ensure your workplace is compliant with statutory legislation

Increased awareness of risks when working with electricity in hazardous environments

Develop and implement safe working practices

Improved knowledge and understanding of risk management

Safeguard from accidents, avoid costly legal action and loss of profit

Something to suit everyone – from junior staff to senior management

Flexible modes of delivery

Quality learning resources and materials

Expert training consultants with extensive industry experience

Tailored Packages

Competency training is essential to ensure a workforce is up-to-date with their knowledge and awareness of safe working practices and current legislation.

The training available will help to support organisations in the development of a competent, skilled workforce who know how to ensure the safety of themselves and others.

Call: 0845 634 4444 or email:
business.development@forthvalley.ac.uk
for more information or to book a course.



**MAKING
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IS YOUR BUSINESS meeting HSE regulations?

At Forth Valley College we provide

a suite of hazardous area competency courses to meet the requirements of industry.

The CompEx scheme is a global solution for validating core competency of employees working within Hazardous Environments. "Designed by industry for industry".

The diagram below shows an example of a Hazardous Area Competency Management System.

Please feel free to get in touch to discuss any of these courses and your business requirements.

RESPONSIBLE PERSON

Ex 14

Supervisor, Management
& Technical Authority level

APPLICATION DESIGN ENGINEERING

Hazardous Areas

Ex 12

Electrical Design and Project Engineers

GAS

Hazardous Areas

Ex 01-04

DUST

Hazardous Areas

Ex 05, 06

MECHANICAL

Hazardous Areas

Ex 11

Engineering Technician level

Ex Foundation

Knowledge

Ex Foundation Plus

Knowledge & Practical

All other personnel working
within a Hazardous Area

The Electricity at Work Regulations 1989

"No person shall be engaged in any work activity where technical knowledge or experience is necessary to prevent danger or, where appropriate, injury, unless they possess such knowledge or experience, or is under such degree of supervision as may be appropriate".

Find out more...

If you are interested in any of the courses, please visit our website to **book** your place or email business.development@forthvalley.ac.uk for more information

ELECTRICAL SAFETY Our Courses



CompEx

The CompEx Scheme is the recognised global scheme for the protection of oil, gas and chemical workers in both offshore and onshore activities. The scheme assesses the competency of employees and contract staff who are working in environments with the potential risk of explosive atmospheres. Developed by the Engineering Equipment and Materials Users' Association (EEMUA) and JTLimited, the CompEx Certification Body is accredited by UKAS to ISO/IEC 17024 : 2012

CompEx Foundation / Foundation Plus Duration – 2/3 Days

The ExF Foundation knowledge unit has been created to give an overview of the requirements of working safely in an explosive atmosphere. No formal qualification entry is required for this CompEx Module.

Designed specifically for Non-Practitioners, Contract managers, Senior Management, Operatives and any other personnel working within a Hazardous area that requires a greater appreciation of the hazards associated with working in explosive atmospheres and the promotion of safe working practices.

This course is part of the globally recognised competency scheme for the training and certification of personnel who work within an explosive atmosphere. Providing companies with a recognised industry Competency for their employees.

*The ExF Plus element includes theory plus practical training on glanding and terminating within a hazardous area. (Designed for Apprentices and those personnel wanting to advance to practitioner level courses)

CompEx 01 - 04 Hazardous Areas Duration – 5 Days

CompEx 01-04 provides candidates with the relevant training and practical assessments on the installation, maintenance and inspection of electrical and instrumental systems in a flammable gas, vapour or mist environment. Our training facilities are unique and custom built to include a realistic working environment and simulated hazardous areas. The 5 day course is split into separate theory and practical elements and candidates will be assessed in each followed by a multiple choice question paper. Successful completion of this course will result in an industry wide recognised certificate of competency validation.

CompEx Working in Hazardous Environment – Refresher Duration – 2 Days

Candidates who have previously attended the Comp Ex 01-04 five day hazardous area training course are required to update their knowledge within 5 years according to the industry standard and to keep their certificate eligible. The CompEx 01-04 two day refresher course is suitable for those requiring an update on new standards and changes in legislation and safe working practices.

CompEx 05, 06 Dust

Duration – 3 Days

CompEx 05-06 provides individual candidates with the relevant training and practical assessments on the installation, maintenance and inspection of electrical and instrumental systems in an environment where combustible dust may be present. Our training facilities are unique and custom built to include a realistic working environment and simulated hazardous areas. This course is split into separate sections and each candidate will be assessed on the practical skills and theoretical knowledge that they have obtained. They will be required to complete 2 practical assessments (1 installation and 1 inspection) and finally complete the multiple choice question paper. Successful completion of this course will result in a nationally recognised certificate.

CompEx 11 Mechanical

Duration 3 Days

CompEx Ex11 is aimed at Mechanical fitters and Engineers determining their core competency to carrying out selection, installation, inspection and maintenance of mechanical equipment in potentially explosive atmospheres. Course delivery is conducted over three days consisting of a mechanical hazardous area awareness course including the established CompEx Foundation Module (Ex F), with a written examination and finally overall core competency is validated with an installation and inspection practical assessment on mechanical equipment.

Ex11 follows a syllabus to enable safe working practices for the international standard ISO 80079 Parts 36 & 37 and allows employers to benchmark the core competency requirements of both their staff and sub-contractors.

CompEx Ex12 Design

Duration 5 Days

This course covers the application design and selection of electrical equipment when designing an electrical installation for use in explosive atmospheres. The course covers the requirements of IEC 60079-14 including Electrical installations design, selection and erection, this includes but is not limited to the selection of equipment, cabling and cable glands and design of intrinsically safe systems etc. The course also fully addresses the designer's requirements to the new 2014 installation and inspection standards.

CompEx 14 - 'Responsible Person'

Duration – 4 Days

The CompEx EX14 module aims to assist 'Responsible Persons' working in Hazardous Areas to meet their Legal obligations with regard to maintaining an asset register and implementing a practical approach to the inspection and maintenance of equipment in explosive atmospheres utilising IEC 60079 Parts 14 & 17 and offering the basis of best practice in this regard.

ELECTRICAL SAFETY Our Courses



Introduction to Electrical Safety in Hazardous Areas

Duration – 1 Day

This course has been designed to give personnel a brief overview of working within a hazardous area. It will offer a basic understanding of industry standards, directives, equipment types and working practices involved and some practical skills required for working within this environment. This course is regarded as an introduction to these areas and aims to provide basic understanding in the selection and minimum requirements of cable glanding and progressing to the assembly and installation of different manufactured types in the workshop.

18th Edition City & Guilds 2382-18 Duration – 3 Days - 1/2 day assessment Includes Regulation Manual

This qualification ensures that you are up-to-date with the latest industry regulation on wiring and the safe use and operation of electrical equipment and systems. These regulations are recognised by the British Standards Institute as a British Standard (BS7671).

If you're a practising electrician, you must comply with the regulations for electrical work, this qualification is designed to provide those seeking progression in their career with the opportunity to develop the skills necessary to carry out job roles and responsibilities associated with the Electrotechnical industry.

18th Edition City & Guilds 2382-18 (Update) Duration – 1 Day Includes Regulation Manual

This is delivered over 1 day with the full 60 question multiple choice 2 hour exam on the following day. This has been designed for those already qualified 17th Edition (Amendment 3) candidates and only covers the changes prior to sitting the full exam.

PAT Testing (Electrical Equipment Maintenance and Testing)

Duration – 2 Days

Learn how to test portable electrical appliances with a qualification in Electrical Equipment Maintenance and Testing. Aimed at practicing electricians or competent persons this qualification will help to progress individuals within the Electrotechnical industry.

This level will suit you if you are a practising electrician either involved in, or looking to become involved in, the inspection and testing of electrical equipment (eg portable appliances), and/or involved in managing the process of it.

There are two qualifications available at this level:

Level 3 Certificate for the Inspection and Testing of Electrical Equipment (2377-12)

Level 3 Certificate of Competent Management of Electrical Equipment Maintenance (2377-11)

You will need to successfully achieve the inspection and testing qualification (2377-12) before undertaking the management course. This short course is aimed at electricians or anyone else involved in portable appliance testing who are required to update their knowledge of legislation and practices and to use test instruments in this important area.

Our tailored packages...

Forth Valley College can offer tailored 'bundle' course packages to suit your budget and training needs, please phone 01324 403173 to discuss your options.

Find out more...

If you are interested in any of the courses, please visit our website to **book** your place or email business.development@forthvalley.ac.uk for more information

ELECTRICAL SAFETY

Why Forth Valley College?

Our Facilities...

Our facilities based at our Falkirk Campus are amongst the largest and **most modern internationally**, with **state-of-the art workshops** for assessment and training purposes.

We also offer **bespoke training courses** delivered on/off site.

For more information and dates for all the courses listed please visit our website at www.forthvalley.ac.uk



ASSESSMENT
RIG

SIMULATED
CONTROL
ROOM

ELECTRICAL



ELECTRICAL SAFETY Training

Forth Valley College
Grangemouth Road
Falkirk
Stirlingshire
FK2 9AD



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You can book online now at:
www.forthvalley.ac.uk

Or alternatively you can contact us by:
Email - business.development@forthvalley.ac.uk
Phone - 0845 634 4444