

# ELECTRICAL SAFETY Training

Forth  
Valley  
College

Making Learning Work

CompEx

The only **Approved Licensed CompEx Centre** in Central Scotland

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](http://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 and are **the only Approved Licensed CompEx Centre** 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.



reputation



location



established



experienced



### 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

Ensure hazard free environments

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:  
[businessdevelopment@forthvalley.ac.uk](mailto:businessdevelopment@forthvalley.ac.uk)  
for more information or to book a course.

# IS YOUR BUSINESS meeting HSE regulations?

## At Forth Valley College we are working towards

offering a complete suite of hazardous area competency courses to meet HSE regulations. The diagram below shows all provision in this area, we have highlighted examples of job roles to help identify the level of course to suit you.

This is a guide, please feel free to get in touch to discuss any of these courses and your business requirements.

Supervisor, Management  
& Technical Authority level

**Ex 14** NEW 2016

Responsible Person

Electrical, Design and Project Engineers

**Ex 12** COMING SOON

**DESIGN**

Hazardous Areas

Operative, Technician level

**Ex 01-04**

**GAS**

Hazardous Areas

**Ex 05, 06**

**DUST**

Hazardous Areas

**Ex 11** COMING SOON

**MECHANICAL**

Hazardous Areas

All other personnel working  
within a Hazardous Area

**Ex Foundation**

Foundation Knowledge

The HSE Control of Major Accident Hazards (COMAH) Regulations ensure that businesses:

“Take all necessary measures to prevent major accidents involving dangerous substances. Limit the consequences to people and the environment of any major accidents which do occur”

## Find out more...

If you are interested in any of the courses which are ‘coming soon’ please email [business.development@forthvalley.ac.uk](mailto:business.development@forthvalley.ac.uk) for all other course information visit [www.forthvalley.ac.uk](http://www.forthvalley.ac.uk)

# ELECTRICAL SAFETY Our Courses



## CompEx

The CompEx Scheme is now the global solution for validating core competency of employees and contract staff of major users in the gas, oil & chemical sectors, both with offshore and onshore activities - designed and developed by industry for industry. As the only UK Approved Licensed CompEx centre in Central Scotland we are an excellent choice for validating core competency in this specialised field.

## CompEx Foundation

Duration – 2 Days

A specialised foundation course aimed at people in roles such as Technical Assistants, Supervisors, Contract Managers and Senior Management. This is an underpinning knowledge unit which gives an overview of the requirements of achieving and maintaining safe installations in hazardous areas while enabling a greater appreciation of the hazards associated with working in explosive atmospheres and the recognised certificate of competency validation.

## 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

This course determines the core competency of mechanical practitioners. The course is delivered over three days combining practical and theory elements. Overall competency is validated with a practical assessment on mechanical equipment and a written exam. CompEx11 meets the competency requirements for EN 13463 Parts 1, 5 & 6 for operatives working with mechanical equipment.

## CompEx Ex12

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.

If you are interested in any of the courses which are ‘coming soon’ please email [business.development@forthvalley.ac.uk](mailto:business.development@forthvalley.ac.uk) for all other course information visit [www.forthvalley.ac.uk](http://www.forthvalley.ac.uk)

# Why Forth Valley College?

## 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.



### 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.

### BS7671: IEE Wiring Regulations (17th Edition – currently incorporating latest Amendment No.3 2015)

**Duration – 4 Days**

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. It covers the 17th Edition of the IEE Wiring Regulations, which came into force in June 2008. 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.

### 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.

# ELECTRICAL SAFETY

## Why Forth Valley College?

### Our Facilities...

Our facilities are amongst the largest and most modern in Scotland, with two state-of-the-art workshops for assessment and practical demonstration at our Falkirk Campus. The workshops include **assessment rigs, a simulated control room and electrical switchgear** – all uniquely designed for hazardous training and assessment.

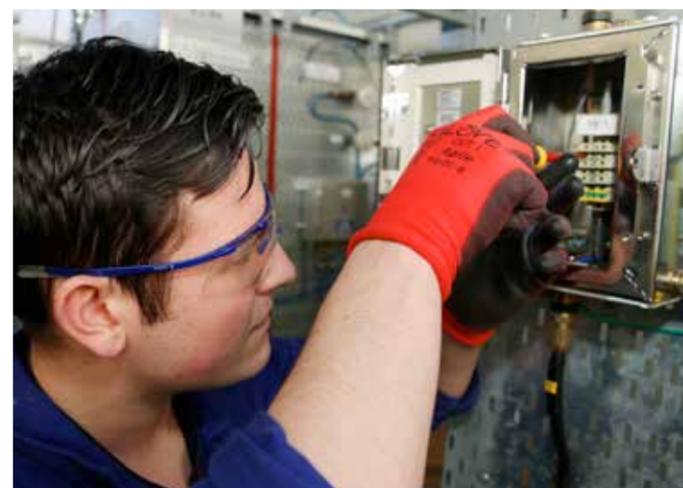
For more information and dates for all the courses listed please visit our website at [www.forthvalley.ac.uk](http://www.forthvalley.ac.uk)



ASSESSMENT RIG

SIMULATED CONTROL ROOM

ELECTRICAL SWITCHGEAR



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# ELECTRICAL SAFETY Training

Forth Valley College  
Grangemouth Road  
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FK2 9AD



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You can book online now at:  
[www.forthvalley.ac.uk](http://www.forthvalley.ac.uk) search CompEx

Or alternatively you can contact by:  
Email - [businessdevelopment@forthvalley.ac.uk](mailto:businessdevelopment@forthvalley.ac.uk)  
Phone - 0845 634 4444