

The SIRA Professional Competence Scheme is an independent assessment scheme providing personnel with UKAS accredited competence needed for everyday duties. The scheme consists of syllabus units that are grouped into training courses to provide knowledge in fields of study relevant to the job specification e.g. areas classification, plant design. Competence Professional enables assessment and experience evaluations to be conducted in the chosen field of study. To achieve certification, candidates must complete three mandatory units and a wide range of operational units.

Course Outline:

Mandatory Units

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|--|---|---|
| > ATEX 94/9/EC 100a Introduction Guidance and Application | > | Properties of Flammable Materials and Ignition Sources |
| > A Basic Understanding of ATEX 137 and DSEAR (Dangerous Substance and Explosive Atmosphere Regulations) | > | Overview of all Protection Methods, Apparatus Grouping and Temperature Classification |

Optional

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|--|---|--|
| > Increased Safety EX e Protection Concept, Installation and Inspection | > | Flameproof EX d Protection Concept Installation and Inspection |
| > Intrinsic Safety EX IA/ex ib Protection Concept, Installation and Inspection | > | Pressurised EX p Protection Concept, Installation and Inspection |
| > Non Incendive EX n Protection Concept, Installation and Inspection | > | Area Classification Overview for Flammable Gases, Vapours, Mists and Dusts |
| > Overview of Hazardous Area Electrical Installations against IEC 60079-14 | > | Theory for Inspection and Maintenance against IEC 60079-17 |
| > Handling Combustible Dusts and Fibres | | |

Available Soon

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|--|---|--|
| > ATEX 100a Product Conformity Assessment – a Comprehensive Coverage | > | ATEX & Non-Electrical Equipment Development in Non-Electrical/Mechanical Standards |
| > International Equipment Certification (IECEx Scheme) | > | Code of Practice Repair and Overhaul of Electrical Apparatus IEC60079-19 Part 1 Requirements |
| > Hazard Appreciation and Risk Assessment Basics | > | Self-Certification of Equipment |
| > Detailed Risk Assessment – Liquids, Gases and Vapours | > | Detailed Risk Assessment - Dusts |

Available Soon (Continued)

- > Area Classification, a Detailed Understanding > Installation Practices IEC 60079-14
- > General Introduction to Functional Safety EN 61508

Target Audience: This course is aimed at Electrical Engineers, Technicians, Electricians and Managers either involved with the design, installation, testing inspection and maintenance of electrical equipment in potentially explosive atmospheres.

Entrance Criteria: We would expect candidates to demonstrate they are competent electricians with ideally knowledge of electrical work in potentially explosive atmospheres. Some modules may be undertaken by those with just a working knowledge.

FURTHER STUDY OPPORTUNITIES

Candidates may be interested in other optional modules available under the SIRA Competence Scheme.

BENEFITS TO THE ORGANISATION

Organisations will be able to ensure employees demonstrate competence when working hazardous areas. The course promotes a high level of reliability and confidence in personnel.

BENEFITS TO THE INDIVIDUAL

Individuals will be confident that they can work competently and safely in hazardous areas.

PRICE

This is a tailored course, please call for costs.

MORE INFORMATION

ILA

This course is eligible for an ILA Account. You must provide your ILA account number prior to booking any course.

Booking

To book places on any of our electrical safety courses, please complete the enclosed booking form and return to Forth Valley College Business Training at the address below along with full payment for the courses booked.