



BRITSAFE LEVEL 4

CERTIFICATE IN RADIATION SAFETY

106/5265/4



Introduction:

The Britsafe Level 4 Certificate in Radiation Safety is a specialised qualification designed for professionals who hold operational or advisory responsibility for managing radiation risks in industrial, medical, research, or regulatory settings. This advanced-level course equips learners with the technical knowledge and strategic capabilities required to interpret complex radiological legislation, implement robust control measures, and lead organisational compliance under the Ionising Radiations Regulations (IRR17) and applicable international standards. It is intended for Radiation Protection Supervisors (RPS), health physicists, regulatory officers, safety managers, and senior technicians involved in the use, transport, or oversight of radioactive sources and radiation-emitting equipment. The curriculum integrates exposure pathway modelling, dose optimisation, shielding design principles, emergency response planning, and internal audit methodologies. Through scenario-based learning and regulatory analysis, this qualification builds critical expertise to evaluate radiological risks, coordinate with radiation protection experts (RPEs), and uphold both worker safety and legal integrity in radiation-prone environments.

Qualification Regulation and Support:

The Britsafe Level 4 Certificate in Radiation Safety is developed and awarded by Britsafe™ Qualifications UK Limited. The qualification aligns with IRR17 and relevant UK and international radiation protection standards. All assessments and quality assurance processes are governed within Britsafe's regulated awarding framework.

Key facts:

Qualification Number:	106/5265/4
Minimum Contact Hours:	56
Guided Learning Hours:	56
Credit Value:	6
Credential Status:	Certificate
Assessment Method:	Multiple-choice examination



Qualification Overview and Objective:

The Britsafe Level 4 Certificate in Radiation Safety is designed for individuals seeking advanced knowledge and skills in radiation safety. Participants gain in-depth understanding of radiation hazards, exposure control, and program implementation. The qualification ensures compliance with legal and regulatory requirements, preparing individuals for roles requiring specialized expertise in managing radiation safety across diverse settings.

The objective of the qualification is to:

- Develop advanced expertise in radiation safety principles.
- Identify and assess radiation hazards in various settings.
- Learn advanced strategies for radiation exposure control.
- Gain proficiency in implementing radiation safety programs.
- Demonstrate compliance with legal and regulatory requirements for radiation safety.

Entry Requirements:

To register for this qualification, learners are required to meet the following entry requirements:

- Must be aged 16 and over
- Participants should have a basic understanding of the English language to effectively engage with course materials and assessments.
- This course is open to individuals of all backgrounds and experience levels who have an interest in workplace health and safety.

Geographical Coverage:

This qualification is suitable for delivery in England, Northern Ireland, Wales and can be offered internationally.

Delivery/Assessment Ratios:

To effectively deliver this qualification, centres are recommended not to exceed the ratio of 1 Qualified Tutor to 12 Learners in any one instance. If centres wish to increase the recommended ratio, they must first inform your dedicated Britsafe™ accounts manager before doing so.

Centre Requirements:

To effectively deliver this qualification, centres should have the following resources in place:

- Classroom with suitable seating and desks; and
- High-quality teaching and learning resources.

Guidance on Delivery:

The total qualification time (TQT) for this qualification is 56-hours and of this 56-hours is recommended as guided learning (GL). TQT is an estimate of the total number of hours it would take an average learner to achieve and demonstrate the necessary level of attainment to be awarded with a qualification, both under direct supervision (forming Guided Learning Hours) and without supervision (all other time). TQT and GLH values are advisory and assigned to a qualification as guidance.



Guidance on Assessment:

This qualification is assessed through a multiple-choice question exam.

- Centre's must take all reasonable steps to avoid any part of the assessment of a learner (including any internal quality assurance and invigilation) being undertaken by any person who has a personal interest in the result of the assessment.
- Centres must follow Britsafe™ Examination and Invigilation Procedures. Completed examination papers are to be returned to Britsafe™ for marking or If in case of online examination; records shall be updated on EMS portal accordingly.

Guidance on Quality Assurance:

Britsafe™ requires centres to have in place a robust mechanism for internal quality assurance. Britsafe™ will support centres by conducting ongoing engagements to ensure and verify the effective and efficient delivery, quality assurance and invigilation of the qualification.

Tutor Requirements:

Britsafe™ recommends nominated tutors for this qualification meet the following requirements:

- A relevant health and safety qualification at Level 3 or higher,
- Membership of a professional body (e.g., IOSH, IIRSM) is desirable.
- Hold a relevant subject area qualification/or be occupationally competent.
- Hold a recognized teaching/training qualification (or suitable equivalent).
- Level 3 Award in Education and Training (AET) or Train The Trainer.





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