

SIAS Level 3

Award in Carbon Capture and Storage Safety

Welcome to SIAS

SIAS is an Awarding Organisation regulated in England by the Office of Qualifications and Examinations Regulation (Ofqual) and in Northern Ireland by the Council for Curriculum, Examination and Assessment Regulation (CCEA Regulation).

We exist to drive positive change, and across STEM industries globally, we empower learners to achieve their full potential. As the leading Awarding Organisation for the technical science, manufacturing, engineering and low carbon sectors, we are disrupting through innovative and collaborative approaches. Our mission is to deliver transformational experiences and solutions that support the skills agenda.



Qualification Title	SIAS Level 3 Award in Carbon Capture and Storage Safety
Qualification Number	610/7169/9
Guided Learning Hours (GLH)	16
Total Qualification Time (TQT)	20
Assessment Methods	Multiple-Choice Question Examination
Operational Start Date	7 th March 2026
Regulation	This qualification is regulated by Ofqual

Qualification Objective

The SIAS Level 3 Award in Carbon Capture and Storage Safety has been mapped to the Carbon Capture Skills Framework and provides learners with the knowledge and understanding required to safely operate, monitor, and manage carbon capture and storage (CCS) processes.

The qualification covers the principles of hazards, risks, and control measures; CO₂ properties and process hazards; geological storage integrity; process safety management; emergency response; and the legal and regulatory frameworks governing CCS operations. Learners will develop the applied knowledge necessary to support safe, compliant, and efficient operation of CCS facilities.

Entry Requirements

This qualification is available for learners aged 16+.

Learners are expected to have a fundamental knowledge of health and safety before taking the SIAS Level 3 Award in Carbon Capture and Storage. Learners should also have a basic understanding of English and mathematics.

Centres should take reasonable steps to ensure learners are able to complete this qualification, for example by carrying out an initial assessment to confirm they can work at the appropriate level.

Qualification Structure

To achieve the SIAS Level 3 Award in Carbon Capture and Storage Safety learners must achieve the mandatory unit listed below:

Ofqual Unit Reference	Unit Title	Level	GLH	TQT
L/651/9903	Carbon Capture, Storage and Process Safety Fundamentals	3	16	20
TOTAL		3	16	20

Grading

This qualification is graded as a pass/fail.

Assessment Method(s)

To achieve the SIAS Level 3 Award in Carbon Capture and Storage Safety, learners must successfully pass the 1 assessment for the mandatory unit listed below:

Unit Title	Assessment Method	Set by	Marked by
Carbon Capture, Storage and Process Safety Fundamentals	Externally set and marked multiple-choice question examination	SIAS	SIAS

Centre and Qualification Approval

To deliver this qualification, the centre must be recognised by SIAS and must apply for approval for each qualification they intend to offer.

For details of our centre and qualification approval process, visit our website or contact us at info@siasuk.com.

Further Information

For information about SIAS and general enquiries please see our website: www.siasuk.com or contact:

Telephone: 01925515211

Email: info@siasuk.com