



SIAS Level 2

Award in the Introduction to Carbon Capture and Storage

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 2 Award in the Introduction to Carbon Capture and Storage
Qualification Number	610/7168/7
Guided Learning Hours (GLH)	8
Total Qualification Time (TQT)	10
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 2 Award in the Introduction to Carbon Capture and Storage has been mapped to the Carbon Capture Skills Framework and provides learners with a foundational understanding of the Carbon Capture and Storage (CCS) industry, including its role in achieving the UK’s net-zero targets, supporting industrial decarbonisation, and relevant legislative frameworks.

Learners will develop knowledge of the CCS value chain, including the processes of carbon capture, compression, transport, and storage, as well as its application across key sectors.

Entry Requirements

This qualification is available for learners aged 16+.

There are no formal entry requirements for the SIAS Level 2 Award in the Introduction to Carbon Capture and Storage. However, learners should have a basic understanding of English and mathematics. Centres should also ensure learners are able to complete this qualification, for example, through completing an initial assessment to ensure they can work at the appropriate level.

Qualification Structure

To achieve the SIAS Level 2 Award in the Introduction to Carbon Capture and Storage, learners must achieve the mandatory unit listed below:

Ofqual Unit Reference	Unit Title	Level	GLH	TQT
K/651/9902	Introduction to Carbon Capture and Storage Systems and the UK CCS Landscape	2	8	10
TOTAL		2	8	10

Grading

This qualification is graded as a pass/fail.

Assessment Method

To achieve the SIAS Level 2 Award in the Introduction to Carbon Capture and Storage, learners must successfully pass the 1 assessment for the mandatory unit listed below:

Unit Title	Assessment Method	Set by	Marked by
Introduction to Carbon Capture and Storage Systems and the UK CCS Landscape	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.

Further Information

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

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Email: info@siasuk.com