

SIAS Level 3

Diploma in Understanding Healthcare Estates Engineering

SIAS

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.



Key Facts

Qualification Title	SIAS Level 3 Diploma in Understanding Healthcare Estates Engineering
Qualification Number	610/6487/7
Credit Value	48
Guided Learning Hours (GLH)	318
Total Qualification Time (TQT)	480
Assessment Methods	<ul style="list-style-type: none">• Multiple choice question examinations (Units 1 to 4)• Short answer question examinations (Units 5 and 6)• Workbook (Unit 7)• Centre devised assessments (Units 8 to 10)
Operational Start Date	1 October 2025
Regulation	CCEA Regulation

Qualification Objective

The SIAS Level 3 Diploma in Understanding Healthcare Estates Engineering aims to provide learners with a comprehensive understanding of the knowledge required to operate effectively as a technician within healthcare estates. The qualification supports the development of core theoretical knowledge in areas such as health and safety, engineering principles, healthcare estates maintenance, fault diagnosis and working as part of the wider healthcare estates team. It is designed to support progression into further training or employment within the sector.

Entry Requirements

This qualification is available for learners aged 16+.

There are no formal entry requirements for the SIAS Level 3 Level 3 Diploma in Understanding Healthcare Estates Engineering. 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 3 Diploma in Understanding Healthcare Estates Engineering learners must achieve all mandatory units contained in the table below:

Unit Reference	Unit Title	Level	Credit	GLH	TQT
K/651/4619	Principles of health, safety, and the environment within healthcare estates engineering	2	3	20	30
R/651/4620	Communication and teamwork within healthcare estates engineering	2	3	22	30
T/651/4621	Understand the healthcare engineering sector	2	6	42	60
Y/651/4622	Basic principles of healthcare estates maintenance	2	6	44	60
Y/651/7927	Healthcare engineering and clinical environment management	3	3	20	30
A/651/7928	Understand engineering principles including mechanical, electrical and mechatronics	3	5	30	50
D/651/7929	Understand estates systems and supplies (water, gas, and electrical)	3	9	60	90
J/651/7930	Understand machinery, tools and equipment and materials used in healthcare engineering	3	6	40	60
K/651/7931	Understand quality assurance and continuous improvement in engineering maintenance	3	3	15	30
L/651/7932	Understand engineering maintenance processes and documentation for healthcare settings	3	4	25	40
TOTAL			48	318	480

Grading

This qualification is graded as a pass/fail.

Assessment Methods

To achieve the qualification, learners must successfully pass all assessments:

Unit	Assessment Method	Set by	Marked by
Principles of health, safety, and the environment within healthcare estates engineering	Externally set and marked multiple-choice question examination	SIAS	SIAS
Communication and teamwork within healthcare estates engineering	Externally set and marked multiple-choice question examination	SIAS	SIAS
Understand the healthcare engineering sector	Externally set and marked multiple-choice question examination	SIAS	SIAS
Basic principles of healthcare estates maintenance	Externally set and marked multiple-choice question examination	SIAS	SIAS
Healthcare engineering and clinical environment management	Externally set and marked short answer question examination	SIAS	SIAS
Understand engineering principles including mechanical, electrical and mechatronics	Externally set and marked short answer question examination	SIAS	SIAS
Understand estates systems and supplies (water, gas, and electrical)	Externally set and internally marked workbook	SIAS	Centre
Understand machinery, tools and equipment and materials used in healthcare engineering	Centre devised	Centre	Centre
Understand quality assurance and continuous improvement in engineering maintenance	Centre devised	Centre	Centre
Understand engineering maintenance processes and documentation for healthcare settings	Centre devised	Centre	Centre

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