SIAS

SIAS Qualification Specification

SIAS Level 2 Award in Preparing for Work with Engineering Industry Awareness

Qualification Number: 610/8012/3

Operational Start Date: 15/09/2026

Operational End Date:

Certification End Date:

Contents

Version History 3
Introduction 4
Welcome to SIAS 4
Feedback 4
About this Specification 4
Centre Recognition and Qualification Approval 4
About this Qualification 5
Key Facts 5
Qualification Objective 5
Entry Requirements 5
Recognition of Prior Learning 5
Qualification Structure 6
Total Qualification Time (TQT) and Guided Learning Hours (GLH) 6
Grading 7
Delivery and Assessment 7
Geographical Coverage 7
Use of Language 7
Progression Opportunities 7
Assessment Guidance 7
Assessment Approval 8
Choosing Suitable Assessment Methods 9
Coverage of Learning Outcomes and Assessment Criteria 9
Assessing Knowledge 9
Assessing Skills 10
Resits and resubmissions 11
Retention of Assessment Evidence 11
ID requirements 11
Centre Requirements 12
Tutor/Trainer requirements 12
Assessor Requirements 13
Internal Quality Assurance Requirements 13
Continuing Professional Development (CPD) 14
Quality Assurance Guidance 14
External Quality Assurance 14
Equality and Diversity 14

©SIAS 2026

Reasonable Adjustments and Special Considerations 15
Health and Safety 15
Qualification Content 16
Unit 1: Principles of Employability for the Workplace 16
Unit 2: Introduction to Working in the Engineering Industry 17
Resources 19
Further Information 20

Version History

This is a live document and as such will be updated when required. It is the responsibility of the approved centre to ensure the most up-to-date version of the Centre Qualification Specification is in use.

Version	Date	Comments
1.0	15/09/2026	First published

©SIAS 2026

Introduction

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.

Feedback

Customer experience and feedback is very important to us. We're always open to suggestions when it comes to enhancing and improving our services. If you have any comments or feedback on our services or products, please contact our team at info@siasuk.com or call us on 01925 515211.

About this Specification

This document has been developed to provide guidance for learners and centres undertaking, delivering or quality assuring this qualification.

Centre Recognition and Qualification Approval

To deliver this qualification, the centre must be recognised by SIAS.

Recognised centres must apply for approval for each qualification they intend to offer. Qualification approval must be obtained prior to conducting any learner assessments.

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

©SIAS 2026

About this Qualification

Key Facts

Qualification Title	SIAS Level 2 Award in Preparing for Work with Engineering Industry Awareness
Qualification Number	610/8012/3
Guided Learning Hours (GLH)	38
Total Qualification Time (TQT)	45
Assessment Methods	Centre Devised Assessment
Operational Start Date	15th September 2026
Review Date	31st August 2029
Operational End Date	-
Certification End Date	-
Regulation	This qualification is regulated by Ofqual

Qualification Objective

The SIAS Level 2 Award in Preparing for Work with Engineering Industry Awareness is designed to provide learners with the essential knowledge and behaviours required to prepare for entry into the engineering sector. It supports the development of core employability skills alongside an introduction to the structure, roles and working environments within the engineering industry. Learners will gain awareness of key health, safety, quality and environmental considerations, enabling them to understand the expectations of working in engineering settings. The qualification is designed to support progression into further learning, apprenticeships or entry-level employment within the engineering industry.

This qualification is intended for individuals aged 16+ who are interested in starting a career in the engineering sector. It is suitable for learners with little or no prior knowledge of the industry, including those in further education, pre-employment programmes, or individuals seeking to develop sector awareness and employability skills.

Entry Requirements

This qualification is available for learners aged 16 and over.

There are no formal entry requirements for the SIAS Level 2 Award in Preparing for Work with Engineering Industry Awareness. However, learners should 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.

Recognition of Prior Learning

Recognition of Prior Learning (RPL) is the process of recognising previous, informal or experiential learning so that the learner avoids having to repeat learning or assessment

©SIAS 2026

within a new qualification. SIAS supports the use of RPL, and centres must work to the principles included in the SIAS Recognised Prior Learning (RPL) Policy which is available on the SIAS website. This policy should be reviewed alongside this specification and all other relevant SIAS qualification documentation.

Qualification Structure

To achieve the SIAS Level 2 Award in Preparing for Work with Engineering Industry Awareness learners must achieve the following:

- All mandatory units contained in the table below.

Unit Reference	Unit Title	Level	GLH	TQT
M/652/3927	Principles of Employability for the Workplace	2	21	25
R/652/3928	Introduction to Working in the Engineering Industry	2	17	20
TOTAL			**38**	**45**

Total Qualification Time (TQT) and Guided Learning Hours (GLH)

Note: Values for Total Qualification Time, including Guided Learning Hours, are calculated by considering the different activities that learners would typically complete to achieve and demonstrate the learning outcomes of a qualification. They do not include activities which are required by a learner's teacher based on the requirements of an individual learner and/or cohort. Individual learners' requirements and individual teaching styles mean there will be variation in the actual time taken to complete a qualification. Values for Total Qualification Time, including Guided Learning, are estimates.

Some examples of activities which can contribute to Total Qualification Time include:

- Independent and unsupervised research/learning
- Unsupervised compilation of a portfolio of work experience
- Unsupervised e-learning
- Unsupervised e-assessment
- Unsupervised coursework
- Watching a pre-recorded podcast or webinar
- Unsupervised work-based learning
- All Guided Learning.

Some examples of activities which can contribute to Guided Learning include:

- Classroom-based learning supervised by a teacher
- Work-based learning supervised by a teacher

©SIAS 2026

- Live webinar or telephone tutorial with a teacher in real time
- E-learning supervised by a teacher in real time
- All forms of assessment which take place under the immediate guidance or supervision of a lecturer, supervisor, tutor or other appropriate provider of education or training, including where the assessment is competence-based and may be turned into a learning opportunity.

Grading

This qualification is assessed as a pass/fail.

Delivery and Assessment

Geographical Coverage

This qualification is regulated in England.

Use of Language

All learners must be assessed in English.

Progression Opportunities

Upon successfully completing this qualification, learners could progress into further learning, apprenticeships or entry-level employment within the engineering industry.

Assessment Guidance

All assessments should be accessible and produce results that are valid, reliable, transparent and fair.

Centres should have systems in place to verify a learner is ready to undertake their assessment.

Centres must ensure that no part of the assessment of a learner including internal quality assurance and invigilation, is conducted by anyone with a personal interest in the assessment outcome.

Centres are responsible for ensuring assessment decisions are valid and reliable, and that work submitted for assessment by learners is prepared and produced independently and free of plagiarism.

Learners must not submit AI-generated or AI-enhanced work as their own where this misrepresents their knowledge, skills, understanding, competence or contribution. Centres must require appropriate learner authentication, declarations and evidence of authentic learning where assessments include written submissions, portfolios, of other evidence generated outside direct supervision. For more detail, see the SIAS Malpractice Policy.

Documentation to support the qualification assessment process can be accessed from the SIAS Pinacle system.

©SIAS 2026

The SIAS Level 2 Award in Preparing for Work with Engineering Industry Awareness contains the following units.

Unit No.	Unit title
1	Principles of Employability for the Workplace
2	Introduction to Working in the Engineering Industry

These units are assessed as follows:

Unit	Set by	Marked by	Assessment Method	Grading
Unit 1	Centre	Centre	Centre devised. Suggested options are: • Portfolio of Evidence • Workbook • Professional Discussion (assessor-led) • Presentation and Questioning	Pass/Fail
Unit 2	Centre	Centre	Centre devised. Suggested options are: • Portfolio of Evidence • Workbook • Professional Discussion (assessor-led) • Presentation and Questioning	Pass/Fail
Overall Award				**Pass/Fail**

Assessment Approval

All centre-devised assessments must be approved by SIAS. This ensures that:

- The assessments are appropriate for the qualification level.
- All learning outcomes and assessment criteria are fully and fairly assessed.
- The assessment methodology aligns with SIAS' quality standards and regulatory requirements.

Centres must submit assessment materials to SIAS through the Centre-Devised Assessment form on Pinacle. Only approved assessments may be used for summative purposes.

©SIAS 2026

Choosing Suitable Assessment Methods

Assessment methods must be selected based on their suitability for the learning outcomes and qualification level. For example:

- **Written Assessments/Workbook Activities:** Suitable for demonstrating explanation, description, or analysis.
- **Assessed portfolio content:** Suitable for documenting practice and evidence of skill application.
- **Witness Observations of Practical Work or Presentations:** Allows for demonstration of skills, abilities and practical competences.

Coverage of Learning Outcomes and Assessment Criteria

All assessment materials must be clearly mapped to the specific Learning Outcomes (LOs) and Assessment Criteria (AC) outlined in the unit specification. Each LO and AC must be:

- fully and sufficiently covered within the assessment.
- matched to an appropriate assessment method (e.g., MCQ for recall, written response for explanation).
- designed to allow learners the opportunity to demonstrate the depth and breadth of understanding required at Level 2.

All units assessed through the submission of learner evidence must cover all assessment criteria. The learner work is then internally assessed and quality assured by the centre. To support learners in compiling and tracking evidence, SIAS provides a Qualification Achievement Record, which can be downloaded from the SIAS Pinacle system. Assessors are responsible for ensuring that the learner's submitted work fully addresses all the learning outcomes and assessment criteria defined in the unit.

Assessment must not omit or dilute any criteria. This ensures learners are fairly assessed against the full scope of the qualification requirements, supporting valid and reliable results.

Centres are responsible for ensuring assessment decisions are valid and reliable, and that work submitted for assessment by learners is prepared and produced independently by learners and free of plagiarism.

Assessing Knowledge

Knowledge-based assessment is intended to evaluate what learners know and understand, in alignment with Ofqual's Level descriptors[1]. For the SIAS Level 2 Award in Preparing for Work with Engineering Industry Awareness, assessments must reflect the depth and breadth of knowledge expected at level 2.

All knowledge assessments must meet the following principles:

[1] Ofqual Handbook: General Conditions of Recognition - Section E - Design and development of qualifications - Guidance - GOV.UK

©SIAS 2026

- **Fair** – accessible, unbiased, and inclusive
- **Valid** – accurately measure the intended knowledge and understanding
- **Reliable** – consistent and repeatable across assessors and learners
- **Authentic** – produced by the learner and reflect real-world understanding
- **Sufficient** – comprehensively address all learning outcomes
- **Transparent** – clearly structured and communicated
- **Appropriate** – aligned to the level and purpose of the qualification.

Where necessary, assessments may be delivered under controlled conditions to maintain integrity and standardisation. Controlled assessment conditions may include:

- Closed-book settings, where access to reference materials is not permitted.
- Time-bound assessments with defined durations.
- Invigilation to maintain the integrity of the assessment process, in person or via secure online proctoring.

Assessing Skills

The purpose of assessing practical skills and abilities is to make sure that an individual can carry out the activities required by their work. Assessors gather and judge evidence to determine whether the learner demonstrates their skills against the standards in the qualification unit(s). Skills should be demonstrated at a level appropriate to the qualification. The skills required at the different qualification levels are defined in Ofqual's Level descriptors[2].

Assessors gather and evaluate evidence to determine whether learners demonstrate competence against the standards outlined in the qualification. Evidence submitted must meet the following criteria:

- Valid
- Authentic
- Sufficient
- Current
- Reliable.

Assessors should select the right assessment methods for the skills that are being assessed, without overburdening the learner or the assessment process, in line with the context of the learning environment. SIAS encourages assessors to use a combination of methods to make informed decisions about a learner's competence. These methods may include:

- Workbook
- Portfolio of evidence
- Professional discussion

[2] Ofqual Handbook: General Conditions of Recognition - Section E - Design and development of qualifications - Guidance - GOV.UK

©SIAS 2026

- Presentation and Questioning.

Resits and resubmissions

Learners who fail to achieve a pass will be permitted to resit/resubmit each assessment twice unless there are extenuating circumstances (please see SIAS Reasonable Adjustments and Special Considerations Policy for more information).

Learners may only seek a resit for any previously failed assessment.

Where assessments are conducted internally, assessors should provide feedback to support grading decisions. Feedback provided may highlight areas for consideration on resit/resubmission, but should **not** direct learners to make specific amendments or improvements to their work.

In all cases where a resit/resubmission is being sought for an internally assessed submission, all initial assessment decisions and feedback should be internally verified. Approval for a resubmission should be granted by the Internal Quality Assurer (IQA) before feedback is returned to the learner.

Evidence of initial submissions for internal assessments, along with the initial assessor feedback, assessment decisions and IQA approval should be retained. These will be required for External Quality Assurance (EQA) processes, alongside the resit/resubmission evidence, subsequent assessment decisions and IQA documentation.

Retention of Assessment Evidence

All assessment evidence for internally assessed units must be retained for a minimum of 3 years for audit purposes and be available to the EQA upon request. It must be stored and protected in line with data protection requirements.

ID requirements

It is the responsibility of the centre to have systems in place to ensure that the person taking an assessment is the person they are claiming to be. All centres are therefore required to ensure that each learner's identification has been checked before they undertake any assessments.

SIAS recommends the following as proof of a learner's identity:

- a valid passport (any nationality)
- a photocard driving licence
- another photographic ID card, e.g. employee ID card, student ID card, travel card etc.

©SIAS 2026

Centre Requirements

All SIAS centres must be approved by SIAS to deliver the qualification(s) they wish to offer. This is to ensure centres have the processes and resources in place to deliver the qualification(s). Further information can be found in the SIAS Centre Handbook.

When a centre applies to offer a qualification, they will need to provide evidence that they have sufficient resources and infrastructure in place for delivery of that qualification:

- evidence of trainer, assessor and IQA competence and knowledge
- details of available resources.

For the SIAS Level 2 Award in Preparing for Work with Engineering Industry Awareness, centres are responsible for ensuring that their trainers, assessors and internal quality assurance staff are:

- occupationally competent and/or knowledgeable in the role they are carrying out
- have current experience of training, assessing or internal quality assuring as appropriate to the role they are carrying out
- have access to appropriate training and support.

Information regarding induction and continuing professional development must be made available to SIAS by centres through the external quality assurance process.

Tutor/Trainer requirements

Both tutor and assessor roles may be performed by the same person providing that the qualification requirements for both roles are met.

For the SIAS Level 2 Award in Preparing for Work with Engineering Industry Awareness tutors/trainers are required to demonstrate they:

- have relevant occupational knowledge and competence.
- hold a recognised education and training qualification or have equivalent training experience.
- have completed recent, relevant CPD activities for the subject area.

Evidence includes:

- CV and relevant occupational qualifications and experience
- Up-to-date CPD record including certification from any courses attended.

SIAS recommends as best practice for tutors/trainers to hold or be working towards a relevant education and training qualification. This includes:

- Level 3 Award in Education and Training or equivalent including Preparing to Teach in the Lifelong Sector (PTLLS), CertEd/PGCE, L4 Certificate in Education and Training, L5 Diploma in Education and Training.

©SIAS 2026

Where this is not the case, SIAS will look at alternative sources of evidence for training competence, such as professional qualifications, relevant work experience or internal training records. For further guidance, please contact us.

Assessor Requirements

Assessors must be occupationally knowledgeable, competent and familiar with the qualification unit(s) they are assessing.

Both tutor and assessor roles may be performed by the same person providing that the qualification requirements for both roles are met.

Assessors must be able to make valid, reliable and fair assessment decisions.

For the SIAS Level 2 Award in Preparing for Work with Engineering Industry Awareness assessors are required to demonstrate they:

- have relevant occupational knowledge and competence.
- hold or are working towards a recognised assessor qualification. Assessors who are working towards the required qualification can contribute to assessment activity; however, to support consistency and maintain standards, their assessment decisions must be countersigned by a qualified and competent assessor.
- have completed recent, relevant CPD activities for the subject area.

Evidence includes:

- CV and relevant occupational qualifications and experience.
- Up-to-date CPD record including certification from any courses attended.

SIAS recommends that as best practice for assessors to hold or be working towards a relevant assessor qualification. This includes:

- Level 3 Award in Assessing Vocationally Related Achievement or equivalent including A1, Award D32 and D33, L3 Award in Assessing Competence in the Work Environment, L3 Certificate in Assessing Vocational Achievement.

Where this is not the case, SIAS will look at alternative sources of evidence for assessing competence, such as professional qualifications, relevant work experience or internal training records. For further guidance, please contact us.

Internal Quality Assurance Requirements

SIAS requires that centres implement a strong system for the internal quality assurance of their assessment processes and training delivery. This internal quality assurance must be carried out by a suitably qualified individual who has not participated in the delivery or assessment of the qualification they are evaluating.

For the SIAS Level 2 Award in Preparing for Work with Engineering Industry Awareness IQAs are required to demonstrate they:

©SIAS 2026

- hold or are working towards a recognised IQA qualification or have equivalent internal quality assurance experience. IQAs who are working towards the required IQA qualification can contribute to IQA activity; however, to support consistency and maintain standards, their assessment decisions must be countersigned by a qualified IQA.
- have completed recent, relevant CPD activities.

Evidence includes:

- CV and relevant occupational qualifications and experience.
- Up-to-date CPD record including certification from any courses attended.

SIAS recommends as best practice that IQAs hold or are working towards a relevant IQA qualification. This includes:

- Level 4 Award in the Internal Quality Assurance of Assessment Processes and Practice or equivalent including D34 or V1.

Where this is not the case, SIAS will look at alternative sources of evidence for IQA competence, such as professional qualifications, relevant work experience or internal training records. For further guidance, please contact us.

Continuing Professional Development (CPD)

Centres are expected to support their staff, ensuring that their subject knowledge remains current and is up to date with best practice in delivery, assessment and quality assurance.

Quality Assurance Guidance

All SIAS qualifications require centres to have in place a robust mechanism for the quality assurance of training delivery and assessment arrangements, including invigilation.

External Quality Assurance

External quality assurance will be undertaken by SIAS. Centres will be required to provide documentation and other evidence to support this process upon request. Please refer to our Centre Handbook for further details.

Equality and Diversity

Delivery of any SIAS qualifications must comply with equality and diversity legislation. Learners should not experience any barriers to achievement in respect of:

- age
- disability
- gender
- gender reassignment
- marriage and civil partnerships

©SIAS 2026

- pregnancy and maternity
- race
- religion and belief
- sexual orientation.

Reasonable Adjustments and Special Considerations

Reasonable adjustments and special considerations are made in assessments for learners with disabilities, specific needs or other extenuating circumstances to ensure they are not disadvantaged in any way. Requests for reasonable adjustments and special considerations must be made according to the SIAS Reasonable Adjustments and Special Consideration Policy.

Health and Safety

SIAS are committed to ensuring the safety and wellbeing of learners. Due to the nature of some of the sectors SIAS work in, there can be a high level of risk which we expect centres to manage effectively. Centres must take appropriate measures to assess and manage these risks and implement procedures so that qualifications are delivered safely, minimising risks to learners and those involved in the assessment process as much as possible. Working environments must comply with all required health and safety standards.

©SIAS 2026

Qualification Content

Unit 1: Principles of Employability for the Workplace

Unit Reference	M/652/3927	
Level	2	
GLH	21	
Aim	The aim of this unit is to develop learners' knowledge and practical application of the core employability skills, behaviours and attitudes required for success in the workplace. Learners will explore workplace expectations, effective teamwork, communication, health and safety, wellbeing, and the importance of equality, diversity and inclusion in professional environments. The unit also supports learners to review their own strengths and areas for development, and to prepare for progression by developing the skills needed to produce a CV, search for opportunities and prepare for interviews for employment, apprenticeships or further training.	
Assessment Methodology	Centre Devised Assessment	
Learning Outcomes *The learner will:*	Assessment Criteria *The learner can:*	
1. Know the behaviours and attitudes expected in the workplace.	1.1	Identify behaviours and attitudes expected in a workplace.
	1.2	Describe the importance of punctuality, attendance and reliability.
2. Be able to contribute to effective teamwork.	2.1	Describe the roles and responsibilities within a team.
	2.2	Contribute appropriately to team activities.
3. Know the importance of health, safety, and wellbeing in the workplace.	3.1	Identify the main health and safety responsibilities of employers and employees in a workplace.
	3.2	Describe how risks are controlled in the workplace.
	3.3	Identify the importance of reporting accidents and near misses.
	3.4	Describe the importance of wellbeing in the workplace.
	4.1	Select appropriate methods of communication for different situations.

©SIAS 2026

4. Be able to communicate effectively.	4.2	Demonstrate clear verbal, written and digital communication skills.
5. Understand equality, diversity and inclusion in the workplace.	5.1	Define equality, diversity and inclusion.
	5.2	Describe how showing respect for others supports effective teamwork and communication.
	5.3	Describe the potential impact of discriminatory behaviour on individuals and the wider team.
	5.4	Describe the benefits of having a diverse and inclusive workplace.
6. Be able to prepare for entry to employment or training.	6.1	Review own strengths and areas for development.
	6.2	Prepare a CV tailored to a job role or sector, using appropriate digital tools where relevant.
	6.3	Search for job or training opportunities, including through online platforms.
	6.4	Describe how to prepare for an interview.
	6.5	Identify appropriate next steps towards employment or further learning.

Unit 2: Introduction to Working in the Engineering Industry

Unit Reference	R/652/3928
Level	2
GLH	17
Aim	The aim of this unit is to provide learners with an introductory understanding of the engineering industry, including its purpose, structure and typical working environments. Learners will explore common engineering sectors, roles and progression pathways, alongside the key behaviours, procedures and standards expected when working in engineering environments. The unit also develops awareness of fundamental health, safety, quality and environmental considerations relevant to engineering. This unit is designed to support learners preparing for progression into employment, training or further study within the engineering industry.
Assessment Methodology	Centre Devised Assessment

©SIAS 2026

Learning Outcomes *The learner will:*	Assessment Criteria *The learner can:*	
1. Understand the engineering industry, including sectors, roles, responsibilities, working environments, and career pathways.	1.1	Identify different engineering sectors.
	1.2	Identify typical job roles in engineering.
	1.3	Describe basic duties of typical roles in engineering.
	1.4	Describe basic working environments in engineering.
	1.5	Outline entry and progression routes into the engineering industry.
2. Know how procedures, communication and behaviours support safe, efficient and responsible engineering operations.	2.1	Describe how standard operating procedures and work instructions support engineering operations.
	2.2	Outline how communication and teamwork support work activities.
	2.3	Identify how following procedures and expected behaviours helps reduce waste and environmental impact in engineering.
	2.4	Identify how problems or issues are reported and escalated in engineering environments.
3. Understand fundamental health and safety requirements in engineering.	3.1	Identify key health and safety regulations and legislation relevant to working in the engineering sector.
	3.2	Outline the difference between hazards and risks.
	3.3	Identify common engineering hazards.
	3.4	Identify how risks are controlled in engineering environments using policies, procedures and safe working practices.
4. Know the purpose of quality standards used in engineering and the importance of following them.	4.1	State the purpose of quality standards in engineering.
	4.2	Describe the importance of following quality standards in engineering.
5. Know the common tools, equipment, technologies and systems used in engineering.	5.1	Describe common tools and equipment used in engineering.
	5.2	Describe common technologies and systems used in engineering.

©SIAS 2026

Resources

SIAS provides the following additional resources for this qualification:

- Centre Qualification Guide
- Qualification Achievement Record

©SIAS 2026

Further Information

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

Telephone: 01925 515211

Email: info@siasuk.com

Floor 1, 720 Mandarin Court
Centre Park, WARRINGTON
WA1 1GG

T: 01925 515211
E: info@siasuk.com
W: www.siasuk.com

©SIAS 2026