



AIMQUALIFICATIONS

WITHDRAWN 31/10/2025

Level 3 NVQ Extended Diploma in Engineering
Maintenance (Servicing Medical Equipment)

Qualification Number: 601/8762/1



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This qualification is withdrawn as of 31/10/2025, the final certification date is 31/10/2028

1. About this qualification

The NVQ Extended Diploma in Engineering Maintenance (Servicing Medical Equipment) has been specifically written to form the competency qualification of the Advanced Apprenticeship in Engineering Manufacture. The qualification provides individuals with subject knowledge and essential practical skills to fill a Medical Engineering role.

The qualification lasts a minimum of 2 years and will provide an excellent insight to all aspects of medical engineering. The student will learn fundamental techniques to fault find, service and maintain Medical Equipment. The qualification also provides opportunities for those already working in the Medical Equipment Technology sector to gain formal qualifications for roles they currently hold.

Objectives of the qualification

This qualification can be used flexibly to meet learner needs. Depending on the context of the learning and the needs of each individual learner, the qualification can:

- prepare individuals to progress to a qualification in the same subject area but at a higher level or requiring more specific knowledge, skills and understanding;
- prepare learners for employment;
- support a role in the workplace;
- encourage engagement in learning.

This qualification has been designed to enable learners to:

- carry out fault diagnosis on medical equipment;
- service and maintain medical equipment;
- be able to adhere to all health and safety regulations within the working environment;
- be able to use the correct Personal Protective Equipment (PPE).

It is a requirement that assessment of this qualification is conducted in English.

The AIM Qualifications Level 3 NVQ Extended Diploma in Engineering Maintenance (Servicing Medical Equipment) is accredited by Ofqual.

Guided Learning Hours (GLH)

Guided Learning Hours are defined as the number of hours of supervised or directed study time required for a unit or a qualification. Some learners will be able to achieve units and qualifications in a shorter time than indicated. Others, for example those with additional support requirements, may need longer.

Total Qualification Time (TQT)

Total qualification time is defined as the number of guided learning hours (GLH) plus the time taken by the learner for private study or work experience.

Guided learning hours and total qualification time for this qualification is:

Level 3 Extended NVQ Diploma

GLH: 532 hours

TQT: 1990 hours

2. Learner requirements

Entry requirements

There are no entry requirements.

Minimum age

The minimum age for access to this qualification is 16 years.

Reasonable Adjustment and Special Considerations

Assessment within the AIM Qualifications Level 3 NVQ Extended Diploma in Engineering Maintenance (Servicing Medical Equipment) is designed to be accessible and inclusive. The assessment methodology is appropriate and rigorous for individuals or groups of learners.

3. Achieving the qualification

Rules of combination

Centres are responsible for ensuring that learners are able to achieve the qualification for which they are aiming. Centres must ensure that the following rules of combination that apply to each qualification are met.

To be awarded the Level 3 NVQ Extended Diploma in Engineering Maintenance (Servicing Medical Equipment), learners must achieve 186 credits. All 99 credits must be achieved from the Mandatory Group M. A minimum of 25 credits must be taken from Optional Group B. A minimum of 62 credits must be taken from Optional Group C.

Unit achievement

All of the assessment criteria in a unit must be met before the unit is deemed to be achieved. The unit achievement is not graded: units are either achieved or not achieved.

Recording achievement

You must record the learner's achievement of each unit on an appropriate form(s). You should record the learner's achievement against the specific units assessment criteria evidenced by the task.

4. The units

Mandatory Group M

Title	Level	Credit	GLH	TQT	Unit code	Unit reference number
Carrying Out Fault Diagnosis on Medical Equipment	3	13	62	125	XN2/3/NQ/015	F/508/3433
Carrying Out Scheduled Servicing on Medical Equipment	3	12	62	124	XN2/3/NQ/031	M/508/3461
Mathematics for Engineering Technicians	3	10	60	100	RB1/3/NQ/001	A/507/2852
Servicing Cardiovascular Equipment	3	32	73	322	XN2/3/NQ/016	M/508/3962
Servicing Physiological Monitoring and Infusion Equipment	3	32	73	322	XN2/3/NQ/017	T/508/3963

Optional Group B

Title	Level	Credit	GLH	TQT	Unit code	Unit reference number
General Maintenance Engineering Applications	3	25	76	250	XN2/3/NQ/025	D/508/3553
Maintaining Electrical Equipment/Systems	3	25	76	250	XJ1/3/NQ/001	Y/508/3549

Title	Level	Credit	GLH	TQT	Unit code	Unit reference number
Maintaining Electronic Equipment/Systems	3	25	76	250	XL1/3/NQ/001	L/508/3550

Optional Group C

Title	Level	Credit	GLH	TQT	Unit code	Unit reference number
Servicing Anaesthetic and Ventilation Equipment	3	32	73	322	XN2/3/NQ/023	D/508/3505
Servicing Dental Equipment	3	31	63	311	XN2/3/NQ/018	R/508/3470
Servicing Laboratory Equipment	3	31	63	311	XN2/3/NQ/021	H/508/3487
Servicing Mechanical and Electromechanical Assistive Technology Equipment	3	32	73	322	XN2/3/NQ/024	A/508/3513
Servicing Medical Imaging Equipment	3	32	73	322	XN2/3/NQ/022	J/508/3501
Servicing Medical Therapeutic Equipment	3	32	73	322	XN2/3/NQ/020	R/508/3484
Servicing Operating Theatre and Surgical Equipment	3	32	73	322	XN2/3/NQ/019	H/508/3473

Optional Group D

Title	Level	Credit	GLH	TQT	Unit code	Unit reference number
Employee Rights and Responsibilities	2	2	16	20	AC4/2/NQ/001	Y/508/0473

Level descriptors

The level of the units within this qualification are linked to the latest QCF level descriptors published by Ofqual.

Level	Knowledge Descriptor (the holder...)	Skills Descriptor (the holder can...)
Level 2	<p>Has knowledge and understanding of facts, procedures and ideas in an area of study or field of work to complete well-defined tasks and address straight-forward problems.</p> <p>Can interpret relevant information and ideas.</p> <p>Is aware of a range of information that is relevant to the area of study or work.</p>	<p>Select and use relevant cognitive and practical skills to complete well-defined, generally routine tasks and address straightforward problems.</p> <p>Identify, gather and use relevant information to inform actions.</p> <p>Identify how effective actions have been.</p>
Level 3	<p>Has factual, procedural and theoretical knowledge and understanding of a subject or field of work to complete tasks that while well-defined, may be complex and non-routine.</p> <p>Can interpret and evaluate relevant information and ideas.</p> <p>Is aware of the nature of the area of study or work.</p> <p>Is aware of different perspectives or approaches within the area of study or work.</p>	<p>Identify, select and use appropriate cognitive and practical skills, methods and procedures to address problems that while well-defined, may be complex and non-routine.</p> <p>Use appropriate investigation to inform actions.</p> <p>Review how effective methods and actions have been.</p>

Extracted from 'After the QCF A New Qualification Framework' October 2015

5. Assessment

This qualification requires achievement of the specified units with no further requirements for additional/summative assessment. Achievement is therefore determined by successful completion of unit assessment. Additional assessment guidance can be found on each unit specification where required under the heading Assessment Guidance. The assessment process is as follows:

- Assessments are internally set against the requirements detailed in the assessment criteria of the unit, and approved by the Internal Quality Assurer (IQA).
- Assessments are internally set and approved at the centre by assessors, against the requirements detailed in the assessment criteria of the unit.
- The learners are assessed internally at the centre, using the assessments set.
- The resulting portfolios of assessed evidence are internally quality assured by an Internal Quality Assurer (IQA) at the centre.

Assessment methods

When delivering AIM Qualifications units and qualifications, centres may choose from a range of assessment methods. It is important that the most effective and appropriate methods are selected. We therefore strongly advise that all those involved in assessment and internal quality assurance of this qualification refer to the *AIM Qualifications Centre Handbook* and our *Assessment Methods* publication. These provide guidance on the range of assessment methods available and the types of evidence appropriate for each. These publications are available on our website.

It is important when devising assessments to differentiate between the assessment method (what the learner is asked to do) and the evidence (what the learner produces).

When designing any assessment method, tutors or assessors will need to consider the presentation of the assessment task to the learner to make it fair and accessible. Tutors or assessors may also need to consider arrangements for learners with particular learning difficulties and will need to be aware of AIM Qualifications' policy on reasonable adjustments.

All proposed assessment tasks must be checked and confirmed as appropriate, fair, valid and reliable by an appropriately qualified and experienced Internal Quality Assurer (IQA) before being issued to learners.

The competency units within this qualification must be assessed in a work environment and must be assessed in accordance with the Semta Engineering NVQ Level 2, 3 and 4 QCF Unit Assessment Strategy which can be down loaded from our website.

6. Offering the qualification

Support for centres

AIM Qualifications provide all of our centres with on-going support and advice on the use of AIM Qualifications units and qualifications, including the requirements for assessment.

Centre responsibilities

Each centre should identify a centre contact who will be responsible for AIM Qualifications provision within the centre.

The centre contact must ensure all procedures relating to the delivery of the qualification operate effectively in the centre.

The centre contact is the person responsible for confirming and ensuring that the centre meets all the AIM Qualifications requirements for centre recognition.

The centre contact is responsible for ensuring all relevant AIM Qualifications documentation is distributed as required within the centre and that the security requirements for external assessment are adhered to, where applicable.

The information provided in this qualification specification is accurate at the time of publication but is subject to change. AIM Qualifications will occasionally update qualification information, so please refer to the 'AIM Qualifications' page of our website to view any updates, including qualification end dates and the latest versions of our qualification specifications.

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