



AIMQUALIFICATIONS

Level 2 Certificate in Skills for Further Study in
Science and Engineering
Qualification Number: 601/5742/2



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1. About this qualification

The Skills for Further Study in Science and Engineering qualification is designed to support learners to return to study and to help them develop skills needed for progression to Level 3 courses related to the vocational areas of science and engineering.

The qualification focuses on study skills, literacy and numeracy and personal development and includes optional units that offer learners a taste of subject areas in science and engineering that they may go on to study.

Achievement of the AIM Qualifications Level 2 Certificate in Skills for Further Study in Science and Engineering will demonstrate that learners are able to study for a sustained period at an appropriate level and have the skills and knowledge to enable them to maximise achievement on a course to which the learners may progress.

Learners who achieve an AIM Qualifications Level 2 Certificate in Skills for Further Study in Science and Engineering, will be able to progress to Level 3 courses, for example, Access to Higher Education Diplomas in science, engineering or land based studies.

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

The AIM Qualifications Level 2 Certificate in Skills for Further Study in Science and Engineering 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 2 Certificate

GLH: 183 hours

TQT: 250 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 2 Certificate in Skills for Further Study in Science and Engineering is designed to be accessible and inclusive. The assessment methodology is appropriate and rigorous for individuals or groups of learners.

If you have learners with particular needs you should refer to the *Reasonable Adjustment and Special Considerations Policy*, available from AIM Qualifications. This gives clear guidance on the reasonable adjustments and arrangements that can be made to take account of disability or learning difficulty without compromising the achievement of the assessment criteria.

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 AIM Qualifications Level 2 Certificate in Skills for Further Study in Science and Engineering, learners must achieve 25 credits. A minimum of 15 credits must be achieved from Mandatory Group M. The learner may take a maximum of 10 credits from Optional Group A and a maximum of 10 credits from Optional Group B.

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
Atomic Structure	2	2	20	20	RA1/2/NQ/017	A/507/0714
Chemistry: Structure and Changes	2	3	30	30	RA1/2/NQ/018	Y/507/0686
Human Health and Disease	2	3	30	30	RH4/2/NQ/009	J/615/9261
Human Life Processes	2	2	20	20	RA1/2/NQ/019	R/507/0685
Human Physiology	2	6	60	60	RH4/2/NQ/010	L/615/9262
Physics	2	4	40	40	RA1/2/NQ/020	D/507/0687
Physics: Physical Processes	2	3	30	30	RA1/2/NQ/021	H/507/0691
Physiology and Exercise	2	6	60	60	RH4/2/NQ/004	T/507/0677
Principles of Electrical and Electronic Technology	2	7	60	70	XA3/2/NQ/001	A/503/0200
Principles of Engineering Technology	2	7	60	70	XA1/2/NQ/002	R/503/0204
Principles of Fabrication and Welding Technology	2	7	60	70	XA3/2/NQ/002	H/503/0191
Principles of Maintenance Technology	2	7	60	70	XA3/2/NQ/003	D/503/0187

Title	Level	Credit	GLH	TQT	Unit code	Unit reference number
Principles of Manufacturing Technology	2	7	60	70	WA2/2/NQ/001	K/503/0175
Science: Practical Investigation	2	2	20	20	RA1/2/NQ/022	K/507/0692
Skeleton and Muscles	2	3	30	30	RH4/2/NQ/012	Y/615/9264

Optional Group A

Title	Level	Credit	GLH	TQT	Unit code	Unit reference number
Action Planning for Own Development	2	2	16	20	HB1/2/NQ/084	T/505/1952
Calculations	2	3	24	30	HD4/2/NQ/013	Y/505/1958
Critical Thinking	2	3	24	30	HB1/2/NQ/085	A/505/1967
Equality and Diversity	2	3	24	30	HC4/2/NQ/014	R/505/1974
Essay Writing	2	3	21	30	HD3/2/NQ/016	Y/505/1975
Information Literacy	2	3	24	30	HD3/2/NQ/017	D/505/1976
Measures and Shape	2	3	24	30	HD4/2/NQ/014	H/505/2112
Note Taking	2	3	24	30	HB1/2/NQ/086	K/505/2113
Oral Communication Skills	2	3	24	30	HD2/2/NQ/001	M/505/2114
Plagiarism	2	1	7	10	HB1/2/NQ/171	F/615/5774
Portfolio Building	2	1	7	10	HB1/2/NQ/088	J/505/2118
Punctuation and Grammar	2	2	16	20	HD3/2/NQ/018	A/505/2133

Reading and Understanding	2	3	24	30	HD3/2/NQ/019	J/505/2135
Research Methods	2	3	30	30	EE3/2/NQ/007	J/615/5775
Research Project	2	3	14	30	HB1/2/NQ/089	H/505/2143
Revision and Exam Skills	2	3	24	30	HB1/2/NQ/090	M/505/2310
Setting Learning Goals	2	3	24	30	HB1/2/NQ/091	A/505/2147
Spelling	2	3	24	30	HD3/2/NQ/020	Y/505/4326
Spreadsheets	2	3	24	30	CP3/2/NQ/002	A/505/2150
Study Management	2	2	24	20	HB1/2/NQ/092	M/505/2162
Word Processing	2	3	24	30	CQ1/2/NQ/002	T/505/2163
Working in a Group	2	3	24	30	HB1/2/NQ/093	A/505/2164
Working with Data and Probability	2	3	24	30	HD4/2/NQ/015	F/505/2165

Optional Group B

Title	Level	Credit	GLH	TQT	Unit code	Unit reference number
Introduction to Animal Science	2	3	24	30	RA1/2/NQ/016	J/507/0666
Introduction to Engineering	2	3	24	30	XA1/2/NQ/001	Y/505/1989
Introduction to Environmental and Land Based Studies	2	3	24	30	QA1/2/NQ/001	Y/505/1992
Introduction to Life Science	2	3	24	30	RH8/2/NQ/001	H/505/2000
Introduction to Physical Science	2	3	24	30	RA1/2/NQ/005	L/505/4324

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	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. Can interpret relevant information and ideas. Is aware of a range of information that is relevant to the area of study or work.	Select and use relevant cognitive and practical skills to complete well-defined, generally routine tasks and address straightforward problems. Identify, gather and use relevant information to inform actions. Identify how effective actions have been.

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.

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.

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.

AIM Qualifications
Aldersley House
Overstrand
Pendeford Business Park
Wolverhampton
WV9 5HA
Tel: (01902) 624230

Office Hours:
Monday to Thursday - 9.00 am to 5.00 pm
Friday - 9.00 am to 4.00 pm

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