



Level 3 Diploma in **Aircraft Maintenance Engineering Technology**

Qualification Specification

Overview

This VRQ qualification focuses on practical skills and knowledge. This ensures that when the learner completes the qualification they will have gained practical experience and some expectation of some of the situations that they could face in a job role within the engineering sector.

Typical Job

Applicable to a range of aircraft maintenance engineering occupations.

Qualification code:	501/1113/9
Level:	3
Total qualification time:	780
Guided learning hours:	600
Credits:	78
Minimum age:	16

Purpose of the qualification

It covers the advanced level knowledge and understanding of the principles, methods and technology involved in aircraft maintenance. This diploma does not require occupational evidence. The Diploma provides a Technical Certificate for the Semta Advanced Apprenticeship in Engineering Manufacture.

Who supports this qualification?

SEMTA.

What could this qualification lead to?

A career in the engineering sector, and further study.

Entry Requirements

Learners must have the potential to achieve the assessment criteria set out in the units.

How is the qualification achieved?

This qualification will be achieved when the learner has successfully completed the common mandatory units followed by the required number of optional units.

What will be assessed?

All evidence submitted by the learner against the assessment criteria. Topics can include: principles of rotarywing aircraft flight, rotarywing aircraft structures and transmissions, rotarywing aircraft gas turbine engines, rotarywing aircraft systems and mechanical engineering principles for aircraft technicians. A range of advanced units can support learners looking to enter higher education.

How will it be assessed?

The qualification is assessed by an on-screen examination covering the three core units, and centre marked theory and practical assessments for the optional units.

The qualification is not graded and only a pass can be achieved.

Structure

The learner is required to complete the two mandatory units, the unit from Group A and five optional units from Group B.

Mandatory Units

EAL Code	Unit Title	Level	Credit Value	GLH	Ofqual Code
QETA/001	Engineering and environmental health and safety	3	9	75	T/602/0551
QETA/002	Engineering organisational efficiency and improvement	3	9	75	J/602/0554

Plus the unit from Group A.

Group A

EAL Code	Unit Title	Level	Credit Value	GLH	Ofqual Code
QETA/051	Fixed wing theory of flight	3	10	75	H/602/1162

Plus five units from Group B.

Group B

EAL Code	Unit Title	Level	Credit Value	GLH	Ofqual Code
QETA/003	Advanced mathematics (for those wishing to enter HE)	3	10	75	R/602/0556
QETA/004	Advanced electrical & electronic principles (for those wishing to enter HE)	3	10	75	Y/602/0557
QETA/005	Advanced engineering science (for those wishing to enter HE)	3	10	75	D/602/0558
QETA/009	Electrical and electronic principles	3	10	75	K/602/0563

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EAL Code	Unit Title	Level	Credit Value	GLH	Ofqual Code
QETA/039	Mechanical engineering principles	3	10	75	A/602/1152
QETA/052	Principles of rotarywing aircraft flight	3	10	75	K/602/1163
QETA/053	Rotarywing aircraft structures and transmissions	3	10	75	M/602/1164
QETA/054	Rotarywing aircraft gas turbine engines	3	10	75	T/602/1165
QETA/055	Rotarywing aircraft systems	3	10	V	A/602/1166
QETA/056	Mechanical engineering principles for aircraft technicians	3	10	75	F/602/1167

