

Qualification factsheet

Qualification overview

Qualification title	NCFE Level 1/2 Technical Award in Engineering		
Qualification number (QN)	603/7006/3		
Total qualification time (TQT)	154	Guided learning hours (GLH)	140
Entry requirements	This qualification is designed for learners aged 14 to 16 in schools and colleges, but is also accessible for post-16 learners.		

About this qualification

The Level 1/2 Technical Award in Engineering is designed for learners who want an introduction to engineering that includes a vocational and project-based element. The qualification will appeal to learners who wish to pursue a career in the engineering industry or progress onto further study.

The NCFE Level 1/2 Technical Award in Engineering (603/7006/3) complements GCSE qualifications. It is aimed at 14 to 16 year olds studying key stage 4 (KS4) curriculum who are interested in the engineering industry. This qualification is designed to match the rigour and challenge of GCSE study. The qualification is graded at level 1 pass, merit, distinction and level 2 pass, merit, distinction and distinction* (equivalent to GCSE grades 8.5 to 1).

This qualification is part of a suite of technical award qualifications that have been developed to meet the Department for Education's (DfE's) requirements for high-quality, rigorous qualifications that:

- have appropriate content for the learner to acquire core knowledge and practical skills
- allow the qualification to be graded
- provide synoptic assessment
- enable progression to a range of study and employment opportunities

Qualification structure

To be awarded this qualification, learners are required to successfully achieve all learning outcomes from the single graded mandatory unit.

Mandatory units

Understanding engineering (Y/618/6058)
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This qualification consists of one unit with multiple content areas.

Content areas

Content area 1: Engineering disciplines
Content area 2: Applied science and mathematics in engineering
Content area 3: Reading engineering drawings
Content area 4: Properties, characteristics and selection of engineering materials
Content area 5: Engineering tools, equipment and machines
Content area 6: Hand-drawn engineering drawings
Content area 7: Computer-aided design (CAD) engineering drawings
Content area 8: Production planning techniques
Content area 9: Applied processing skills and techniques

Assessment

The qualification has **2** assessments externally-set by NCFE: **one** non-exam assessment and **one** written examined assessment.

Assessment breakdown		<ul style="list-style-type: none"> 1 hour 30 minutes examined assessment 18 hours non-exam assessment
Non-exam assessment (NEA)	Weighting (60%)	Externally-set, internally marked and externally moderated: <ul style="list-style-type: none"> synoptic project
Examined assessment (EA)	Weighting (40%)	Externally-set and externally marked: <ul style="list-style-type: none"> written exam
Total	100%	Overall qualification grades: L1P, L1M, L1D, L2P, L2M, L2D, L2D*

Progression opportunities

Depending on the grade the learner achieves in this qualification, they could progress to level 2 and level 3 qualifications and/or GCSE/A Levels.

Learners who achieve at level 1 might consider progression to level 2 qualifications post-16, such as:

- GCSE Engineering
- study at level 2 in a range of technical routes that have been designed for progression to employment, apprenticeships and further study; examples might include a Level 2 Technical Certificate in Engineering Studies

Technical certificate qualifications provide post-16 learners with the knowledge and skills they need for skilled employment or for further technical study.

Learners who achieve at level 2 might consider progression to level 3 qualifications post-16, such as:

- A Level Engineering (this will support progression to higher education)
- Level 3 Applied General Certificate in Engineering
- study at level 2 in a range of technical routes that have been designed for progression to employment, apprenticeships, and further study

- Level 3 Technical Level in Engineering, Manufacturing, Processing and Control (this will support progression to higher education)

Learners could also progress into employment or onto an apprenticeship. The understanding and skills gained through this qualification could be useful to progress onto an apprenticeship in the engineering industry through a variety of occupations that are available within the industry, such as technical writing, technical sales, or as an engineer in one of the many different sectors across the industry, such as pharmaceuticals, aerospace or construction.



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