

EAL Purpose Statement:

500/9851/2 EAL Level 2 NVQ Diploma in Mechanical Manufacturing Engineering (QCF)

Qualification Overview:

This level 2 qualification is a National Vocational Qualification (NVQ) based on national occupational standards for mechanical manufacturing engineering, which are statements of performance that describe what competent people in a particular occupation or task are expected to be able to do. It involves the skills and knowledge needed for occupations in mechanical manufacturing engineering including activities such as CNC machine operating, composite manufacture and optical engineering.

Delivered in the workplace (or a setting that replicates the workplace), NVQs can be undertaken as a standalone vocational qualification, or as part of an apprenticeship. They can be taken by full-time employees or by school and college students with a work placement or part-time job that enables them to develop the appropriate skills in the workplace.

The qualification has **5 pathways** linked to typical job roles. The primary purpose of this qualification is to confirm your occupational competence in a specific job role and you will need to select the appropriate pathway to enable you to achieve the assessment requirements.

The achievement of NVQs will encourage an employee to value their contribution to the workplace, and it will develop their skills and potential within the field of mechanical manufacturing engineering.

What does this qualification cover?

To achieve this qualification you need a **minimum of 54 credits**.

You must complete all 3 mandatory units, then select one of the **5 pathways** and complete sufficient units within the pathway to achieve the remaining 39 required credits. The units cover the skills, knowledge and understanding in a wide variety of mechanical manufacturing engineering activities including:

- operating Lathes
- operating CNC machines
- assembling fluid power components
- producing composite mouldings
- operating optical prism and flat process machines

NVQs are assessed by **portfolio of evidence** which details what you've done at work and **observation** from an assessor who watches you work and checks that you can do the work-related tasks.

For further details on the **5 pathways** available, please contact the EAL customer services team: Tel +44 (0)1923 652 400 or via Email: customercare@eal.org.uk

Who could take this qualification? OR who is this qualification designed for?

- Individuals who need recognition of their competence in one or more of a wide variety of mechanical manufacturing engineering activities and also need a nationally recognised qualification at level two.
- Learner's undertaking Semta apprenticeship frameworks.

It is suitable for learners aged:

- 16-18
- 19+
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What could this qualification lead to?

Typical job roles include:

- CNC Machinist
- Manufacturing Production Planner
- Mechanical Engineer
- Mechanical Engineering Technician
- Plastics Process Operative
- Production Engineer.

Progression to further learning:

You will be able progress onto other mechanical manufacturing engineering based qualifications such as:

- EAL Level 3 NVQ Diploma in Business Improvement Techniques
- EAL Level 2 Diploma in Mechanical Engineering Technology (Technical Certificate)
- EAL Level 3 Diploma in Mechanical Engineering Technology (Technical Certificate)
- EAL Level 3 NVQ Diploma in Mechanical Manufacturing Engineering (QCF)

Which will further broaden your skills set and increase your employability in the mechanical engineering industry.

Apprenticeships:

Completion of this qualification can form part of the Engineering Manufacture (England) apprenticeship Framework at Level 2.

Similar titled qualifications offered by EAL (e.g. Award/Certificate/Diploma):

- EAL Level 3 NVQ Diploma in Mechanical Manufacturing Engineering (QCF)
- EAL Level 3 NVQ Extended Diploma in Mechanical Manufacturing Engineering (QCF)

Who supports this qualification?

This qualification is supported by **The Society of Operations Engineers (SOE)** who are a professional body and one the 36 Professional Engineering Institutions (PEI) licensed by Engineering Council for those engaged in the Engineering industry.

Any other relevant information:

Ofqual Qualification code: 500/9851/2

QCF Level: 2

QCF Credit Value: 54

Guided Learning Hours (GLH): Min 215 Max 215

Further Information:

For further information on this qualification, please contact our customer services team:

EAL Customer Services

Tel: +44 (0)1923 652 400 **Email:** customercare@eal.org.uk