Level 2 Engineering Operative

Apprenticeship overview

Engineering Operatives are predominantly involved in engineering operations which are key to the success of the Manufacturing and Engineering sector. The role covers a wide range of common and job specific skills sets that can be transferred across the manufacturing engineering industry sectors.

As an Engineering Operative, you will have clear reporting lines for anything outside your role and responsibility. You will work individually or as part of a team to carry out a range of engineering operations.

Within your role as an Engineering Operative, you must comply with statutory regulations and organisation safety requirements including any environmental compliance procedures and systems.

At PETA, the training we deliver is tailored to a maintenance and repair role.

Key programme facts

- **Qualification level:** Level 2
- **Total duration:** 15 Months
- **Practical period:** 13 Months
- **End point assessment:** 2 Months
- **Training Days:** 1 day per week
- **Awarding body:** City & Guilds, EAL & EngEPA

Entry requirements

- Maths & English GCSE at Grade 4 or an equivalent qualification or above
- An active interest in engineering, maintenance or manufacturing

Potential job roles

- Semi-Skilled Operator
- Assistant Maintenance Engineer
- Servicing Engineering Operative
- Assistant Mechanical Engineer

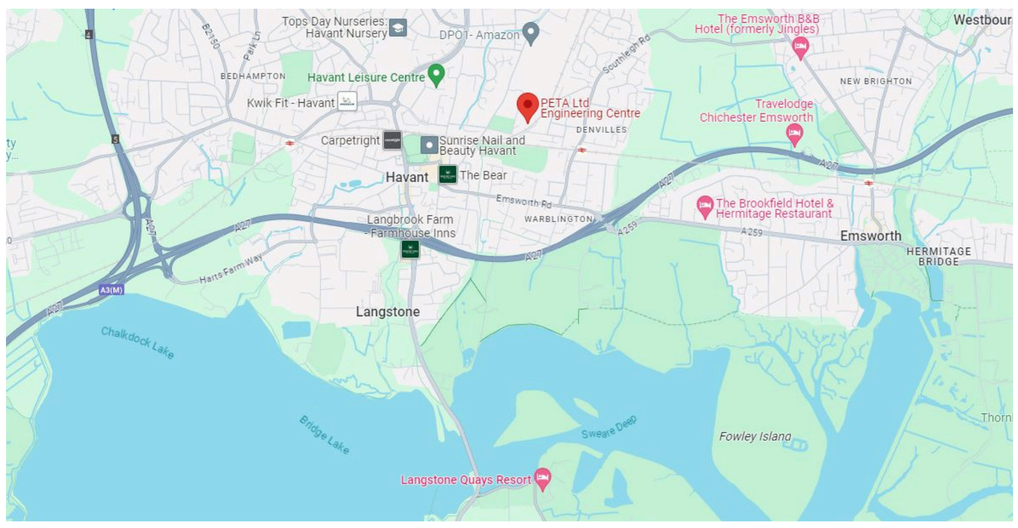
Qualifications to achieve

- Level 2 Engineering Operative Apprenticeship
- Level 2 Diploma in Engineering Operations – Skill
- Level 2 Certificate in Engineering Operations – Knowledge

Training location

Transport links

- Warblington train station (15-minute walk)
- Havant train station (10-minute walk)
- Havant bus station (15-minute walk)
- Free onsite parking



PETA Engineering Training Centre

5 Kenwood Business Park, New Lane, Havant, PO9 2NT

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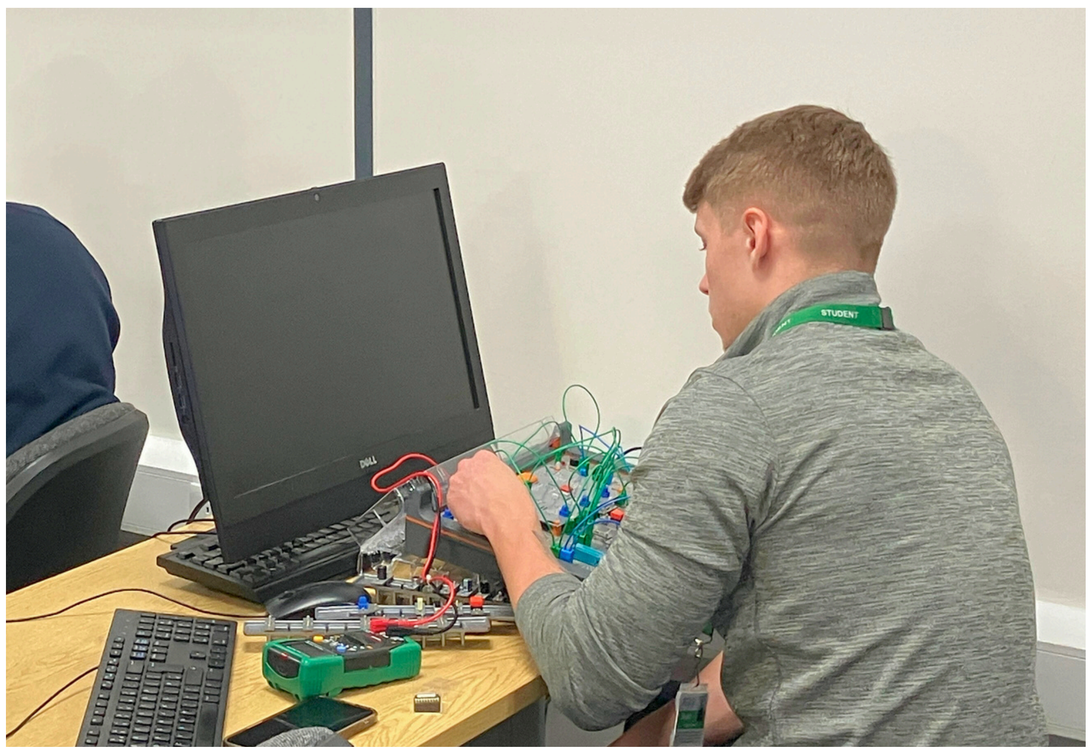
How you will learn

As an Engineering Operative Apprentice, you will attend PETA's training centre one day per week.

While at our training centre, you will cover a range of different units that will help to develop your knowledge of engineering theory and give you the chance to gain practical hands-on experience in our workshop.

These will include producing components using hand fitting techniques, business improvement techniques, fitting and assembly, maintaining electrical and mechanical equipment and assembling electronic circuits.

Throughout your apprenticeship, you will be supported by a learning and development coach who will visit you every 6-8 weeks in your workplace. They will work closely with you and your employer to set learning objectives, undertake practical observations, and provide you feedback on your apprenticeship progress.



Alongside the training delivered by PETA, your employer will be providing you with a rigorous training schedule to support you in the workplace.

How you will be assessed

Throughout your apprenticeship, you will be working towards your end point assessment (EPA). Your end point assessment will be conducted by an external examining body and will be made up of two key elements. For the Engineering Operative these are:

- Practical work based observation lasting up to 2 hours
- Professional interview based on showcase portfolio (2 reports)

These key elements have been designed to enable you to demonstrate the key knowledge, skills and behaviours you have developed during your training. The possible outcomes of your EPA are Pass or Distinction.

Progression routes

Upon completion of this apprenticeship, the suggested progression pathway would be to complete a level three apprenticeship, your options could include:

- Level 3 Maintenance Operations Engineering Technician
- Level 3 Engineering Fitter

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Apprenticeships are all about developing new Knowledge, Skills and Behaviours (KSB). These KSBs form the foundation of the core competencies and attributes you need in order to be successful as an Engineering Operative.

These KSBs are the basis for your end point assessment.

Core knowledge

K1: Understand how to obtain the necessary job instructions, engineering drawings and specifications and how to interpret them
K2: Understand relevant statutory, quality, environmental compliance procedures/systems, organisational and health and safety regulations relating to engineering operations
K3: Understand your individual role and responsibilities within the organisation and the flexibility required to support the achievement of company targets
K4: Understand engineering operational practices, processes and procedures
K5: Understand potential problems that can occur within the engineering operations and how they can be avoided

Core skills

S1: Work safely at all times, complying with health and safety legislation, regulations, environmental compliance procedures and systems and other relevant guidelines
S2: Identify and deal appropriately with any risks, hazards, hazardous situations and problems that may occur within the engineering environment within the limits of their responsibility
S3: Demonstrate effective communication skills which include oral, written, electronic
S4: Complete appropriate documentation accurately, efficiently and legibly using the correct terminology where required
S5: Obtain and follow the correct documentation, specifications and work instructions in accordance with time constraints and the roles and responsibilities identified for the engineering activities, extracting the necessary data/information from specification and related documentation
S6: Select and use appropriate tools, equipment and materials to carry out the engineering operation
S7: Deal appropriately with any problems that may occur within the manufacturing environment within the limits of their responsibility
S8: Work efficiently and effectively at all times maintaining workplace organisation and minimising waste

Behaviours

B1: Personal responsibility and resilience – Comply with the health and safety guidance and procedures, be disciplined and have a responsible approach to risk, work diligently regardless of how much they are being supervised, accept responsibility for managing time and workload and stay motivated and committed when facing challenges.
B2: Work effectively in teams – Integrate with the team, support other people, consider implications of their own actions on other people and the business whilst working effectively to get the task completed.
B3: Effective communication and interpersonal skills – An open and honest communicator, communicates clearly using appropriate methods, listen well to others and have a positive and respectful attitude.
B4: Focus on quality and problem solving – Follow instructions and guidance, demonstrate attention to detail, follow a logical approach to problem solving and seek opportunities to improve quality, speed and efficiency.
B5: Continuous personal development – Reflect on skills, knowledge and behaviours and seek opportunities to develop, adapt to different situations, environments or technologies and have a positive attitude to feedback and advice.

Specialist Knowledge

SK1: Maintenance planning
SK2: Diagnostic and fault finding techniques
SK3: Specific safe working practices, maintenance procedures and environmental regulations that need to be observed

Specialist Skills

SS1: Carry out fault location on appropriate equipment using suitable maintenance diagnostic techniques
SS2: Carry out maintenance activities in line with work instructions
SS3: Carry out tests on the maintained equipment in accordance with test schedule/defined test procedures
SS4: Follow appropriate completion activities and restore equipment to service by replacing or repairing components

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