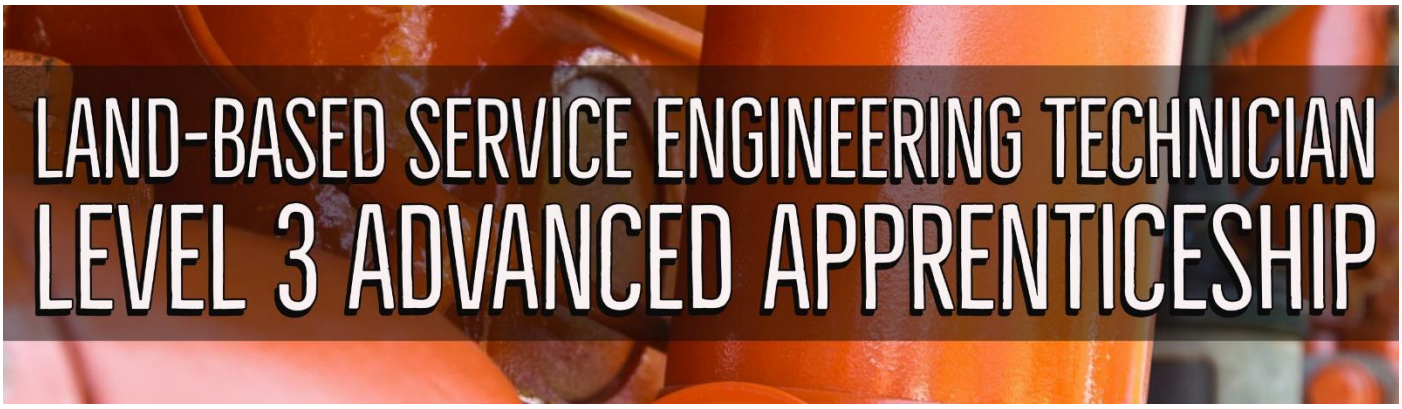
Myerscough College
Opportunities for all to succeed

Apprenticeships



Level: Advanced Apprenticeship (Level 3)

Typical Duration: 18 Months

Delivery Model: Block Release

Delivery Location: Nationwide

Start Date: September

Introduction to the Programme

LBSE Technicians typically work on site utilising their own initiative in a customer facing role. They are often called upon to mentor and supervise junior colleagues and dispense advice to customers on machinery selection.

This requires a blend of skills, knowledge and behaviours, safe working and environmental practice capabilities covering; power units, power trains, fabrication, mechanical, electrical, electronic, hydraulic and pneumatic system applications. These will be used in the context of the machinery and equipment in the chosen industry sector. The technician will typically have an understanding of the interface between machine, biological systems and the working environment for example climate, soil, plant and animals. The nature of the industry will present technical challenges ranging from simple mechanics to the diagnosis and repair of complex mechanical, electronic and telemetry systems. These operations may take place in the employer's workplace or on the customer's site requiring flexible working hours as dictated by seasonal requirements. Technicians may be called upon to advise customers and support work colleagues.

Duration

This apprenticeship will typically take 18 months to complete. The length may be altered if the apprentice has already gained knowledge and skills working in the land-based engineering sector.

Entry requirements

Employers set the selection criteria for their apprentices. Typically, this will include a minimum of 5 GCSE's at Grade 9-4, or equivalent, including English and Maths. Apprentices without level 2 Functional Skills will need to achieve this level as part of their apprenticeship.

In addition, it is desirable that the apprentice has a basic understanding of Information and Communication Technology.

Costs

Costs will be dependent on several factors such as age of apprentice and size of employer. The cost may be altered if the apprentice has already gained knowledge and skills working in the land-based engineering sector. Please contact us for more information.

Delivery Location

Delivery is work-based with college attendance for 5 x two week blocks over 1 academic year (10 weeks in total).

Knowledge, Skills & Behaviour gained

Throughout the programme, apprentices will work towards gaining the following knowledge, skills & behaviours:

Knowledge

Have a knowledge of:

- The procedures used to carry out a risk assessment, identify risks and implement a plan to reduce and mitigate hazards both in the workplace and on site
- The identification, application and care of diagnostic tools and equipment used within the job role. E.g. diagnostic platforms, engine performance analysis equipment, electrical and hydraulic diagnostic equipment specific to the industry sector worked within.
- How to read and interpret complex wiring and hydraulic circuit diagrams relevant to the industry sector worked within and to relate this information to logical fault finding and diagnosis
- The underpinning repair principles and practices used in the diagnosis and repair of complex technological systems, and electro – hydraulic systems
- How to record information and communicate concisely using a range of manual and electronic techniques. Typically, this will include recording diagnostic data, production of machinery condition reports, the preparation of out of season service reports, repair proposals and quotations, incident reports for manufacturer's service departments and the completion of installation and handover documentation.
- How to access and interpret technical data and the influence of operational conditions in the diagnosis and repair of current and emerging technology.
- Techniques used in logical diagnosis and verification of complex machinery, plant and equipment performance.
- How to work professionally and engage in continual professional development.

Skills

Have the ability to:

- Interpret technical data, documentation and operational conditions, and apply in line with the technician's role.
- Interpret and respect safety procedure requirements, undertake risk assessment and mitigation measures to safeguard, bystanders, the general public, property and livestock.
- To communicate with and gather information from colleagues and customers employing a range of techniques as appropriate to the audience. This includes explaining technical matters in straight forward terms and asking questions to gather the information required to perform an efficient diagnosis.
- Demonstrate professional customer care practices as an individual and team member. This includes; presentation of oneself, the work area, the company's vehicle and equipment. treating customers and colleagues with respect and courtesy, supporting work colleagues, the company and its products and services
- Install and handover machinery, plant and equipment, explaining its safe operation, maintenance and warranty requirements, verification of optimum performance and the completion of handover documentation
- Conduct advanced maintenance, and the repair of technologically advanced machinery and equipment which typically may include; power units, power trains, plant, machinery, equipment and their components.
- Carry out diagnostics, repairs and re-instatement of complex products and verify conformity to manufacturer's specification.
- Compile technical reports, repair proposals, quotations and incident reports
- Maintain and repair complex hydraulic systems and their components as appropriate to the sector.
- Maintain, interrogate, calibrate and repair electronic equipment and systems
- Minimise machinery, plant and equipment downtime by carrying out diagnostic and preventative maintenance efficiently and effectively.

Behaviours

Have the required behaviours including:

- Safety Orientation: Plays a proactive role in the identification, mitigation and avoidance of hazards. Capable of giving clear guidance to subordinates on safety critical activities and taking appropriate action if others are acting unsafely
- Strong Work Ethic: Proactive, positive attitude, motivated by the technician's, dependable, ethical, responsible and reliable.
- Logical Approach: Uses logical thought process to structure and implement an efficient diagnosis or action plan to meet customer and company expectations and objectives.
- Problem Solving: Enjoys complex problem solving, Has the aptitude to establish the root cause of the problem to prevent further re-occurrences rather than to repair the results of the problem.
- Quality Focused: An advocate of the provision of quality service who strives to meet the expectations of the customer and employer.
- Responsibility: Motivated to encourage others to develop and succeed through mentoring and setting

an example

- Communicator: Can communicate using a technical vocabulary appropriate to the audience. Establishes customer's expectations and can convey whether these are realistic achievable outcomes and mediates dispute resolution.
- Team Player: Can work on own initiative but also able to interact and communicate effectively within a team applying a respectful professional manner.
- Contributor to Profitability: Is fully aligned with the company objectives, continuously applying their skill, knowledge and behaviours to further the growth of the company and its customer base.
- Adaptability: Is adaptable to changes in conditions, technologies, situations and working environments.
- Self-Motivation: A motivated self-starter with a positive attitude who motivates those around them.
- Commitment: Is committed to the objectives of their employer and to the wider professional standards of the industry.

End Point Assessment

At a point where employer, tutor and apprentice feel is appropriate apprentices will undertake an end point assessment, which is carried out by a separate approved organisation, independent from Myerscough College.

The end point assessment will contain 3 components:

- On-line Knowledge Test
- Practical Tasks
- Presentation & Professional Interview

There will be 3 levels of achievement: Pass, Merit & Distinction

How to apply

In order to start the enrolment process we need an **Online Application Form** to be completed & submitted. You can do this by contacting the Employer Services Team.

Telephone: 01995 642255, Email: employerenquiries@myerscough.ac.uk

Website: www.myerscough.ac.uk