



For more information on courses and how Brooksby Melton College can help you please use the following contact details

Apprenticeship Information

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Business Development & Train to Gain

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Short Courses

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Land Based Service Engineering Apprenticeships

The Apprenticeship in Land Based Service Engineering provides the best possible preparation to achieving technician status within the industry. LANTRA and the British Agricultural and Garden Machinery Association (BAGMA) have developed an Apprenticeship framework, which is a structured programme of learning, in partnership with employers. This ensures that apprentices develop the skills and knowledge required for their chosen career and to meet the multi skills required by today's employers.

Apprenticeships are a route by which you can begin a career, learn practical skills and achieve nationally recognised qualifications. They are government backed training schemes aimed primarily at people aged between 16-25.

What is included in the Apprenticeships Framework?

The Land Based Service Engineering framework relates to either:

- Agricultural Machinery
- Groundcare Machinery - Professional
- Groundcare Machinery - Domestic

NVQ Content

Depending whether you are working towards an "Apprenticeship" or an "Advanced Apprenticeship" the qualifications available to you are:

BAGMA/City & Guilds Land Based Service Engineer (Agricultural/Groundcare) 4025 NVQ Level 2

BAGMA/City & Guilds Land Based Service Engineer (Agricultural/Groundcare) 4025 NVQ Level 3

Regardless of the level of Apprenticeships, each framework will cover

- Tractors, Compact Tractors and Power Units
- Machinery
- Workshop Processes

Listed below are the aspects, which are covered within each area: -

Tractors, Compact Tractors and Power Units

- Engines - two/four stroke, petrol and diesel
- Clutches - wet and dry
- Hydraulics - low and high pressure, open centre, closed centre, PFC
- Electrics and electronics
- Heating and air conditioning
- Gears and gearboxes
- Steering and brakes

Machinery

- Agricultural
- Ploughs
- Cultivation Equipment
- Seed drills
- Sprayers
- Mowers
- Forage Harvesters
- Balers
- Combine Harvesters
- Groundcare
- Golf & Turf Maintenance Equipment (Aerators, Cylinder & Rotary Mowers)
- Commercial/Amenity Mowers & Equipment
- Domestic Garden Machinery
- Handheld Power Equipment

Workshop Processes

- Measuring
- Riveting
- Oxy-Acetylene Welding
- MIG & TIG Welding
- Drilling
- Brazing
- Arc welding

In all main subjects, theory of operation, differences in design, test and diagnosis procedures, repair and overhaul procedures will be covered.

Key Skills

A highly skilled Service Engineer needs more than just being clever with their hands. The ability to read and write properly, interpret information, communicate effectively, work with others, use information technology and to get on well with colleagues and customers is required, which is why the framework includes the 3 Key Skills qualifications shown below, the levels of which vary:

- Application of Number
- Information Technology
- Communication

Currently those with GCSE grade C or above in Maths, English and I.T. (or equivalent) are exempt from these 3 Key Skills, provided they were achieved within the last 5 years.

Technical Certificate

Technical Certificates are vocationally related qualification, which focus on the underpinning knowledge and understanding of the NVQ. Depending on which Apprenticeship Framework you are working towards, you will complete either a Level 2 or Level 3 Certificate in Land Based Service Engineering.

Employment Responsibilities and Rights (ERR)

By completing a workbook, Apprentices will gain an understanding of their contract of employment, health and safety legislation, employment law and other legislation their employers should abide by.

Additional Employer Requirements

The framework also includes enhancements, which add to a learner's employability within the industry, the choice includes:

- Abrasive Wheels
- Manual Handling
- First Aid
- COSHH
- Mechanical Handling
- Emergency First Aid
- Basic Tractor Driving
- Fire Safety
- Forklift Truck Driving
- Risk Assessment
- Chainsaw Maintenance & Operation

How long will it take?

All entrants on the Apprenticeship programme will be employed from day one, and it is accepted that it will take 3 years to complete. As an approximate guideline, it is realistic to achieve the Apprenticeship Framework including the NVQ Level 2 in Service Engineering around 18 months to 2 years.

Advanced Apprenticeship encompassing the NVQ level 3 in Service Engineering is an additional year after the NVQ Level 2 is achieved.

Entry Requirements

Entry onto the Land Based Service Engineering Apprenticeships is dependent upon initial assessment results.

What will it Cost?

Tuition Fees	Those learners who are aged 19 and above a yearly employer contribution of £550.00 is required. Where additional occupational tests/qualifications are necessary, there may be an external fee levied.
Residential	Virtually all apprentices will require residential accommodation at the Brooksby Campus during the off-the-job training blocks.
Registration Fee	Employers under the Apprenticeship programme will be invoiced for the accommodation – currently £98.00 per week. Those resident are required to pay the College annually (on the day of enrolment) a £100 bond, which will be refunded, at the end of the whole course, less the cost of any unreported damage.
Travelling	No travel expenses are available so the travelling expenses are the responsibility of the learner

Fees and charges are correct at the time of printing, but the College reserves the right to alter these without notice at any time before enrolment.

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