

## Declared Purpose:

*The following purpose is for the Level 3 Diploma in Land-based Technology 0075-03 (QAN no: 501/0681/8). This is a Technical Level Qualification.*

**This level 3 Diploma in Land-based Technology is a qualification aimed at providing you with a range of practical skills and knowledge. This will help you to seek employment or progress into further training within the Land-based Engineering Industry.**

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Who is this qualification for?	It is for learners who work or want to work within the Land-based Engineering industry.
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The recommended entry requirements are:

- A level 2 Certificate, Extended Certificate or Diploma in Land-based Technology and/or
- previous practical experience within a land-based engineering environment

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What does the qualification cover?	
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The learner will need to successfully complete about 13 units (depending on which ones are selected) in order to gain this qualification.

The units that everyone is required to take are:

- Service and Repair Engines and Components
- Health, Safety and Welfare in the Engineering Workplace
- Service and Repair Hydraulic Systems
- Land-based Vehicle Chassis Systems

There are optional units which allow you to pick areas of interest, such as:

- Working with Land-based Diesel Fuel Injection Systems
- Work Experience
- Servicing Mechanical Power Transmission Systems
- Servicing and Repairing Suspension Systems
- Perform Thermal Joining Processes
- 4WD Vehicle Maintenance, Operation and Recovery
- Working with Land-based Vehicle Engine Technology
- Servicing Mechanical Power Transmission Systems
- Inspect and Test Land-based Machinery and Equipment
- Land-based Workshop Practice

The period of work experience will allow you to gain first hand experience of working for an agricultural engineering maintenance company or a related engineering business.

For all units you will study both the practical skills and the theory on why you need to do and know certain things.

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This is typically a two year course at College, and the learner may want to progress onto an Extended Diploma by taking about 6 more units, or take it alongside another Level 3 qualification, such as an A Level.

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What opportunities are there for employment or progression after I have finished studying this qualification?

The qualification allows you to progress into **employment**. You might progress into the following roles:

- Grounds Maintenance Mechanic
- Assistant Agricultural Machinery Engineer
- Assistant Engineering Workshop Manager
- Assistant Design Engineer
- Technical Advisor/Consultant
- Tractor Operator
- Assistant MOT Tester
- Engineering Welder

This qualification is supported by The British Agricultural and Garden Machinery Association (BAGMA) - the dealer trade organisation for agricultural, garden and ground care machinery dealers.

You may wish to progress onto an advanced apprenticeship in land-based engineering operations, which allows you to combine working for an engineering company, or a similar job, and typically attending one day a week at college or with a training provider.

You might want to go on to higher education. This qualification carries 80 to 280 UCAS points (depending on the grade achieved).

See the following link <http://www.ucas.com/how-it-all-works/explore-your-options/entry-requirements/tariff-tables>

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Further information can be found on our website and within the qualification handbook:

<http://www.cityandguilds.com/Courses-and-Qualifications/land-based-services/landbased-engineering/0075-centrebased-landbased-service-engineering/level-3>