

August 2014

---

1 Giltspur Street  
London  
EC1A 9DD  
T +44 (0)20 7294 2468  
F +44 (0)20 7294 2400  
[www.cityandguilds.com](http://www.cityandguilds.com)

## City & Guilds

### 501/0678/8 City & Guilds Level 2 Diploma in Land-based Technology

#### Who is this qualification aimed at?

This qualification is aimed at you if you are looking to start a career within the land-based technology/engineering industry.

This qualification is suitable if you are 16 years old, or older. There are no prior qualifications needed.

#### What does this qualification cover?

There are five compulsory topics that you will need to complete:

- applying mechanical principles
- use, service and maintain tools and equipment
- material preparation, shaping and assembling
- health and safety in a land-based engineering work area
- service and maintain land-based equipment.

You then need to take further optional topics, which could include areas such as:

- perform thermal joining and cutting processes
- service and repair engines and components
- service and repair clutches, fluid flywheels and torque convertors
- service and repair tyres and tracks on land-based equipment
- service and repair land-based cutting and mowing equipment
- service and repair hydraulic systems and components on land-based equipment
- use calculations for land-based engineering operations
- work-related experience in the land-based industries
- introduction to land-based workshop practice.

Centres and providers may work with local employers who can contribute to the knowledge and delivery of training. Employers may provide demonstrations and talks on the industry and where possible work placements will also be provided by the employers. This practically based training is ideal preparation for training on the job or specialist further study.



***Will the qualification lead to employment, and if so, in which job role and at what level?***

You could get a job working as a:

- service technician
- ground care technician.

**Will the qualification lead to further learning?**

You could progress to other qualifications in Land-based Technology at Level 3, or to the Level 3 Diploma in Work-based Land-based Engineering Operations (which could be taken alone or as part of an Apprenticeship).

***If there are larger and/or smaller versions of this qualification or it is available at different skills levels, why should a student take this particular one?***

City & Guilds offers two sizes of qualification in Land-based Technology: Extended Certificate and Diploma. You are likely to take the Extended Certificate if you want an introductory qualification to develop some of the basic skills and knowledge required by employers in the land-based technology/engineering industry. The Extended Certificate is likely to be taken alongside other programmes such as GCSEs or AS Levels over a one-year course of study. You are likely to take the Diploma if you want to specialise, to develop more of the skills and knowledge required by employers in the land-based technology/engineering industry. The Diploma is likely to be taken as part of a full-time one year programme of study, or alongside other qualifications such as AS or A Levels over a longer period of time.

**WHO SUPPORTS THIS QUALIFICATION?**

This qualification is supported by The British Agricultural and Garden Machinery Association (BAGMA).

**THIS IS INTENDED FOR USE AS A SUBSTANTIAL LEVEL 2 VOCATIONAL QUALIFICATION.**

For further information on this qualification please go to:

[http://cdn.cityandguilds.com/ProductDocuments/Land\\_Based\\_Services/Land-based\\_Engineering/0075/0075\\_Level\\_2/Centre\\_documents/0075-02\\_L2\\_Qualification\\_handbook\\_v2-3.pdf](http://cdn.cityandguilds.com/ProductDocuments/Land_Based_Services/Land-based_Engineering/0075/0075_Level_2/Centre_documents/0075-02_L2_Qualification_handbook_v2-3.pdf)