

02 September 2014

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

501/2174/1 Level 2 Certificate in Rail Engineering Underpinning Knowledge

OVERVIEW

- What does this qualification cover?

This qualification is aimed at anyone who wants to gain the sufficient knowledge, understanding and practical skills to introduce them to the rail engineering industry and decide into which discipline they would like to undertake further training and take their career forward.

Learners will be able to take further training in the following areas: track renewals, track maintenance, traction and rolling stock, electrification construction, electrification maintenance and signal and telecommunications.

The key skills and knowledge learners will have acquired upon achievement of this qualification are:

- Working in the engineering sector: the need to recognise and use safe working practices, consideration of the environment and working effectively as part of a team. It also includes the methods of communication that engineers use in their everyday.
- Basic principles of mathematics and science and the materials technology that underpin engineering applications.
- Maintenance technology: how to follow safe and effective working practices, select the correct working methods, tools and equipment and dismantling/assembly techniques relevant for each component/system.
- Basic maintenance requirements, routine inspection, lubrication and service of mechanical devices and equipment.

This is a Framework qualification.



- Who could take this qualification?

Although some learners may already have had some exposure to the engineering industry via previous training or some practical experience, it is not necessary to hold any previous qualifications or being in a current work placement.

WHAT COULD THIS QUALIFICATION LEAD TO?

The qualification also provides learners with increased self-confidence and motivation to take advantage of the many opportunities for progression and development within the industry such as the following qualifications:

600/1100/2 Level 3 NVQ Diploma in Rail Engineering Track Maintenance

600/0882/9 Level 3 Diploma in Engineering

or into employment by taking up an intermediate apprenticeship in rail engineering such as track maintenance to become skilled track workers.

WHO SUPPORTS THIS QUALIFICATION?

The following providers support this qualification as it allows learners to work to their own ability and show progression to the next level within the industry nationally:

- Waltham Forest College
- Train'd Up Railway Resourcing Limited
- Intertrain UK Ltd