



CITY AND ISLINGTON
COLLEGE

wk[©]

Westminster
Kingsway College

The College of
Haringey, Enfield
and North East London



Capital
City
College
Training

Rail Engineering Advanced Technician - Level 4 Apprenticeship

Rail Engineering Advanced Technicians provide technical solutions across The Railway. The engineering disciplines cover the following areas of “The Railway” (infrastructure and trains); track (including minor works), overhead line, electrification, signalling, telecommunications, traction & rolling stock and rail systems. Apprentices will undertake the core learning and also specialise in one particular discipline.

Those working within the occupation of Rail Engineering are responsible for the safe construction, installation, maintenance and renewal of The Railway to provide a safe and reliable railway for customers. The Rail Industry has a high level of safety critical work activities requiring a disciplined and responsible approach.

Job titles include: Rail Engineering Advanced Technician in Track, Signalling, Telecoms, Traction & Rolling Stock, Electrification, Overhead Lines or Rail Systems.

A Rail Engineering Advanced Technician may work on site or in a depot or in a technical office. They will lead and supervise individuals and teams in the delivery of Rail Engineering tasks. Their work will require an understanding of how the railway works as an integrated, complex system in order to take proactive actions and decisions to avoid Railway asset, equipment, process and systems failures and will include involvement in aspects of:

The construction, installation, renewal, enhancement and modification of The Railway.

Fault finding and diagnosis, maintenance and replacement of a range of complex systems and components.

Ensuring assets are installed, enhanced, replaced, maintained, tested and inspected to specification maintaining required records and making recommendations for and delivery of system improvements.

For those Rail Engineering Advanced Technicians who have the ability and drive there is a wide range of further development and career progression opportunities within Rail Engineering.

ENTRY CRITERIA



Individual employers will set the selection criteria for their Apprenticeships. Employers who recruit candidates without GCSE English or Maths at Grade C or above must ensure that the candidate achieves a Level 2 equivalent standard prior to taking the end point assessment.

