

# Title: Open Awards Level 5 End-point Assessment for ST0495 Rail and Rail Systems Engineer



Route: Engineering and Manufacturing

Code: ST0495

## Typical Duration

24 months

## Maximum Funding

£22000

## National Level

Level 5

## Entry Requirements

There are no set entry requirements to become a rail & rail systems engineer. Employers usually expect good literacy, numeracy, and science or technology skills, along with good communication skills, as well as an aptitude for problem solving.

## Role Profile

A Rail and Rail Systems Engineer works as part of a multi-disciplinary team, but with personal responsibility and accountability for the provision of technical rail or rail systems engineering knowledge relating to a specific aspect of the railway. Specialist areas include rail specific civil engineering, rail track, rail signalling and control, rail systems & integration, rail traction and rolling stock, rail telecommunications, network and digital and rail electrical, mechanical and building services.

The overarching role of all Rail & Rail Systems Engineers is to ensure the railway runs smoothly on a day to day basis and to provide rail specific engineering knowledge across their own organisation to ensure this is the case. This includes supporting work relating to the integrated safe design, construction, installation, maintenance, renewal, or decommissioning of assets and equipment, to provide a safe and reliable railway.

## Any Mandatory Qualifications?

Apprentices without English or maths GCSE at grade A\* to C or equivalent must achieve Level 2 approved English or maths qualifications (either Functional Skills Level 2 or GCSE).

For those with formally recognised special educational needs, learning difficulties or disabilities, who struggle to achieve the regular English and / or maths minimum requirement due to the nature of their difficulty or disability, the minimum English and / or maths requirement is Entry Level 3 (subject to conditions within the funding rules) and British Sign Language qualifications are an alternative to English qualifications for whom this is their primary language.

In addition, all apprentices on this standard are required to develop a portfolio of evidence during the on-programme stage and submit this to Open Awards alongside the other gateway evidence.

## On-programme Stage

During this stage the apprentice is employed within an engineering construction environment and completes both on-the-job and off-the-job training and learning, which should enable them to develop the core and role specific knowledge, skills and behaviours set out within the Apprenticeship Standard.

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## Completion and Certification

Open Awards will issue a summary of results following successful completion of all EPA assessments. Open Awards will also request the apprenticeship completion certificate on behalf of an apprentice once they have completed their apprenticeship.

## How will the Learner be Assessed?

The EPA consists of two (2) assessment methods which are individually graded:

- Workplace project – completed over a 14 week period post-gateway
- Vocational competence discussion – 1 hour

Both assessments must be passed within a period of six (6) months from the gateway.

## Progression

Apprentices who successfully achieve this apprenticeship could progress into employment as a Track Engineer, Rail Civil Engineer, Asset Engineer, Rail Systems Integration Engineer, Rail Project Engineer, Approvals and Certification Engineer, Lead Signal Design Engineer, Signalling & Control Systems Engineer, Telecomms Engineer, Traction and Rolling Stock Engineer, Rail Electrification Engineer, Rail Mechanical Engineer or Rail Building Services Engineer.



## Why Choose Open Awards Qualified?

Open Awards have been in business for 40 years. During that time, we have helped thousands of learners get started on the education ladder, return to learning, achieve qualifications to help their careers and progress into further and higher education.

Building on this expertise, we have become an End-point Assessment Organisation (EPAO) for a growing number of apprenticeship standards in England approved by the Institute for Apprenticeships and Technical Education (IfATE).

Our EPAO number is: EPA0565

**More Information:** [www.openawards.org.uk](http://www.openawards.org.uk)

