

Course Information

Advanced Apprenticeship in Rail Traction and Rolling Stock Course Code - W1222

What is an Apprenticeship?

The Apprenticeship programme provides you with an opportunity to earn while you learn. As an Apprentice will spend time both in College and in the workplace learning new skills and training alongside experienced staff, which will lead to nationally recognised qualifications. At the end of the Apprenticeship you will have acquired job specific skills and the ability to perform your job competently; you will also achieve qualifications which are recognised by your chosen profession.

Venue and duration of course:

The Apprenticeship programme will take place both at East Surrey College and at the workplace and will run for approximately 48 months.

Entry requirements:

There are no formal entry requirements for an Apprenticeship but you must be in paid work for a minimum of 30 hours per week. It is essential you have the right mind-set for working full time and studying at the same time. Having a can-do attitude, being flexible and reliable are also important. You must also be able to communicate effectively with others.

What qualifications will I get?

The Apprenticeship is made up of a number of qualifications that you will receive, which includes:

- The Diploma in Electrical & Electronic Engineering
- English Functional Skills Level 2 (subject to prior qualifications)
- Maths Functional Skills Level 2 (subject to prior qualifications)
- ICT Functional Skills Level 2 (subject to prior qualifications)
- Employment Rights and Responsibilities
- Personal, Learning and Thinking Skills

Course description:

One year full time at East Surrey College covering nine units of the qualification followed by two units in the second year covered over a four week period. The remaining time will be spent at the workplace gaining onsite work experience and assessment.

Units/topics covered:

- Communication for Technicians
- Electrical and Electronic Principles
- Health and Safety within an Engineering workplace
- Mathematics for Technicians
- Mechanical Principles and Applications
- Electronic Fault Finding

- Electronic Measurement and Testing
- Electrical Technology
- Principles and Applications of Electronic Devices
- Three Phase Motors and Drives

Type of assessment:

The course will be internally assessed through a programme of assignments, projects, case studies, practical activities and work based assessments.

Equipment needed:

Pens, pencils, calculator, lever arch folder and recommended text books.

Where can it lead?

Full Level 3 Traction and Rolling Stock Apprenticeship, progression onto Higher Education at the College or entry requirements to Universities.

Course fee: If you are under 19 on 31/08/2014, tuition is free. If you are 19 or over please call our Employer Services team for advice and guidance on funding and eligibility.

What to do next:

For advice & guidance or to arrange an interview please contact our Employer Services team on 01737 788316 or by emailing employerservices@esc.ac.uk.

Disclaimer:

Every effort has been made to ensure that the details contained in this leaflet are up-to-date and accurate at the time of printing. However, the College reserves the right to alter or cancel courses, their content, entry requirements, fees or other details should circumstances dictate.

Should you require this leaflet in a different format please contact Client Services on 01737 788444.