NETWORK ENGINEER
Apprenticeship

Network engineer apprentices develop the skills to maintain communication networks across your business ensuring maximum performance and availability. The network engineer gets involved in designing, installing, maintaining and supporting communication networks within an organisation or between organisations.

Key Information

Level	4
Duration	30 months

Entry requirements

- 16 years or over
- A levels
- Level 3 apprenticeship
- Please contact our Apprenticeship team for further entry requirements.

Delivery

A minimum of 30 hours of on the job training at work place per week including a day/ block release to study theory at our Uxbridge/ Hayes/ Harrow campus

Typical job titles

Desk based engineer, Dynamic network engineer, Field based engineer, Infrastructure engineer, Network administrator, Network architect, Network engineer, and Systems engineer

Professional Recognition

This standard aligns with the following professional recognition:
BCS, The Chartered Institute for IT for Register of IT Technicians (RITTech) level 4

Qualifications

English & Maths
Apprentices without level 2 English and maths will need to achieve this level prior to taking the End-Point Assessment. For those with an education, health and care plan or a legacy statement, the apprenticeship's English and maths minimum requirement is Entry Level 3. A British Sign Language (BSL) qualification is an alternative to the English qualification for those whose primary language is BSL.

Choose a Trusted Provider

We are a top provider in London with consistently high success rates

We are the largest college group providers of apprenticeships in west London

We work with major companies including British Airways, Brunel University London & Menzies etc.

Most of our apprentices secure employment at the end of their apprenticeship

Discounted travel with an Apprentice Oyster card

Discounts on shopping with an NUS Apprentice Extra Card

Employers involved in creating this standard:

IBM, Accenture, BA, BT, Capgemini, Cisco, Fujitsu, HP, John Lewis, Lloyds, Microsoft, NCA, The Royal Signals, Telefonica, The Test Factory, Virgin Media, Visa, BCS - Chartered Institute of IT

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Apprenticeships & Skills
Harrow, Richmond & Uxbridge Colleges

Sample Modules and Content

Occupation summary

This occupation is found in large and small businesses, in all sectors, and within public, private, and voluntary organisations. Network Engineers are a key occupation in most organisations which are increasingly dependent on their digital networks.

Organisations of all types are increasingly applying digital technologies across all their business functions to maximise productivity. Large organisations will have sophisticated complex systems whilst smaller consultancies offer support to clients on a contract basis.

For example, a Network Engineer may work within a network of hotels to ensure that the booking system functionality and performance is maintained and customer access to courtesy systems such as Wi-Fi are managed appropriately for performance.

In a large infrastructure project, a Network Engineer may work in a team to ensure that significant project milestones are reached in delivering network services both within the project and by servicing the project teams with reliable network capability to enable them to deliver that project successfully.

Large communications organisations use Network Engineers to service world-leading global networks at the cutting edge - adapting and evolving with changes to new technologies to give customers the very best digital experience from delivering major communications installations to monitoring nationwide networks.

The demand for people who can manage, build, maintain virtual and physical networks is increasing. This is because of technological developments such as, 5G and Cloud. The broad purpose of the occupation is to install computer networks, maintain them, and offer technical support to users where necessary.

A Network Engineer provides networks and systems to deliver the objectives of varied organisations. They will make sure that systems are working at optimum capacity and problem solve where they are not. To be able to do this effectively a Network Engineer must interpret technical information and understand organisational requirements and expectations. They support delivery of legislatively compliant solutions to challenges in network and infrastructure.

Network Engineers deal with both hardware and software issues. They are a key part of putting things right quickly when networks fail, and they communicate problems that they have identified with network integrity or performance rapidly to ensure service is resumed and downtime minimised. Network Engineers help customers both technical and non-technical to install computer networks, maintain them, and offer technical support to users where necessary.

Frequently Asked Questions

What is new apprenticeship standard?

Apprenticeships in England are changing. Because of government reforms, a new style of apprenticeships has been designed to meet the needs of employers, learners and providers.

How will I be assessed?

You will be assessed continually in knowledge, skills and behaviour areas at work. Towards the end of the apprenticeship, employers and providers will 'sign-off' the apprentice as ready for the end-point assessment (EPA).

Signing-off an apprentice indicates the employer and providers believe their knowledge, skills and behaviours are the level required to gain an apprenticeship. This sign-off is called the 'gateway'.

An end-point assessment (EPA) is a collection of assessments that offers confirmation of knowledge, skills and behaviours for a particular role. The EPA must be achieved before an apprenticeship certificate can be issued. The assessment organisation and the assessor must be independent of, and separate from the training provided by the provider and employer.

Do I already need to have a job to start an apprenticeship?

You should be working a minimum of 30 hours per week in a job. If you are unemployed, view our vacancies to apply for a job:

www.hruc.ac.uk/apprenticeships

Can I start an apprenticeship after Year 11?

Yes, you can! Young people in England must stay in education or training until they turn 18. If you're looking for a different option after Year 11, an apprenticeship could be the answer for you!

How much does an apprenticeship cost?

There is no cost for you to do an apprenticeship if you are 16 years old or over and you will be paid a wage.

View our vacancies to apply

www.hruc.ac.uk/apprenticeships

Already working? Upskill!

Turn your job into an apprenticeship. Call us on **01895 853622 / 0208 909 6328** to get you started.