

In association with:



Network Engineers are needed by a variety of businesses, ensuring communication networks are optimised and running as needed. Our nationwide Network Engineer programme focuses on teaching the latest approach and techniques in IT networking systems. This will enable learners to learn the [latest knowledge for IT communication networks](#), alongside providing a [stepping stone towards a career in the industry](#).

Programme breakdown

The primary role of a network engineer is to design, install, maintain and support communication networks within an organisation or between organisations. They will understand network configuration, cloud, network administration and monitoring tools, and be able to give technical advice and guidance.



Duration: Typically 21 months.



Who is it for?: Learners who possess strong IT knowledge and /or progressing from an level 3 Information Communications Technician apprenticeship into a networking specific role.



Requirements: Level 3 qualifications, including A levels, NVQ/SVQ Level 3, Level 3 Apprenticeship or a BTEC National. A minimum of 5 GCSE's (ideally A* - C or 4 - 9) – Maths and English are also essential.



Typical job roles: Network Technician, Network Engineer, Systems Engineer, Network Administrator.



Certification: Certified by City & Guilds. 



Qualification & added value: The learner will receive a qualification in the Network Engineer Level 4 Apprenticeship standard.

Induction process

Pre-induction

Before the learner signs up to the programme, they will get invited to a briefing session to make sure it is right for them and then be introduced to our dedicated on-boarding team to ensure eligibility. From here, they will complete their English and Maths initial assessments and a date will be arranged to conduct their sign-up.

Enrolment

During this session the learner's business coach will discuss the apprenticeship and show the learner around OneFile, our modular e-resource platform. They'll discover more about the modules that make up their apprenticeship and complete the enrolment process. Following the session, work will commence on their self-development project alongside completing the first pieces of e-Learning. Functional Skills learning will also be completed at this point if required.



Coaching support

Regular coach visit to

- Give feedback on any self-study the learner has completed.
- Provide one-to-one learning and support. This includes a quarterly progression review with the learner and their line manager.
- Gather evidence for their portfolio.
- Discuss their Maths and English skills.
- Support the learner for their knowledge module exams.

Functional Skills

Functional Skills (FS) support the learners development of practical skills in English and Maths if they have not obtained grade A-C at GCSE level in those subjects.

They will need to sit the functional skills exam if they cannot provide evidence of certificates from their GCSEs. Their coach will provide support throughout their learner journey based on their individual needs.

Additional Learning Support

All learners will take assessment tests through our Candidate Management Onboarding Team so we can identify any additional support methods that will benefit their learning and future career aspirations.

We provide our learners with a tailored learning support plan offering further individual development and growth, supported by their Business coach.

Remote learning

Our learners benefit from always-on access to both our resources and training expertise. We have harnessed the latest technologies to provide a remote learning product that means learners can benefit from all our training and development programmes wherever they are.

Online coaching

We have great coaches with years of experience in delivering the most relevant and useful information to support people to achieve their goals.

Now, through remote access technologies like [Microsoft Teams](#) or [Zoom](#), learners can see, hear and collaborate with our apprenticeship Business Coaches. This gives them direct access to ask questions and receive bespoke support relevant to the stage of their programme. This collaborative and interactive approach adds value to the learning experience and is now offered in a fully online environment.



Learner journey

Learners will be supported monthly by our business coaches, have quarterly reviews involving their manager & attend 20 days of facilitated training to ensure they are ready to start their career as a Network Engineer.

Milestone 1

Month: 00

Onboarding, induction & start of learning

Learner completes induction & an individual learning plan is created

Discussion include health & safety, welfare, company aims & professional skills

Portfolio: 5% complete



Milestone 2

Month: 01 - 02

Plan & Install a Network

Using Cisco Network Academy, the learner will learn the essentials of installing a network using wireless technology



Milestone 3

Month: 03 - 04

Network Troubleshooting

The learner will use Cisco Packet Tracer to develop problem solving skills

Workshop: Network Fundamentals, Implementation & Operations

Portfolio: 30% complete



Milestone 4

Month: 05 - 08

Mitigate Network Security Risk

Mitigate security network threats

Workshop: Network Security

Internet of Things & Digital Transformation

Data analytics, AI & cyber security

Workshop: Server Concepts & Hardware Application

Portfolio: 50% complete



Milestone 5

Month: 09 - 12

Network Defense

How to monitor & defend the network

Workshop: Server Administration & Managing Server Availability

Cyber Literacy

Familiarise with the world of cybersecurity

Workshop: Security Assessment & Basic Cryptography

Portfolio: 70% complete



Milestone 6

Month: 13 - 16

AWS Cloud & Technical Essentials

Building AWS knowledge

Workshop: Implementing Security Measurement

Azure Design & Support Engineer

Design & implement network solutions such as Azure Monitor & Network Watcher

Workshop: Cloud Design & Cloud Network

Portfolio: 90% complete



Milestone 7

Month: 17 - 18

Your Time, Your Future, Your Choice

To provide the learner with clarity of the end point assessment process & the expectation including looking into next steps future after EPA

Workshop: Securing Cloud & Optimisation

Portfolio: 100%



Milestone 8

Month: 19 - 20

End Point Assessment

Learner will undertake **End Network Failure & Network Optimisation** simulation assessments with questioning
After submission, the learner will be carrying out a Professional Discussion underpinned by the **portfolio** with the Independent Assessor



Milestone 9

Month: 21

Outcome of apprenticeship

Learner receives EPA result

Outcome: Learner meets business coach to explore next steps in their career



Programme assessment

End point assessment (EPA)

The final stage of the learner's learning journey is the EPA which will be carried out by an independent assessor. The EPA is broken down into three stages.

EPA preparation

The learner will have an EPA preparation session which will help them get ready for the synoptic project and a session preparing for the interview.

Gateway

Gateway is a meeting that takes place towards the end of the programme, between the learner, their line manager and their coach, to discuss their progress and decide whether they fully meet the requirements of the apprenticeship standard. Once the learner's portfolio is completed and the requirements for Functional Skills are evidenced, they can proceed through gateway to their end point assessment.

Simulation Assessment + Questioning, Professional Discussion underpinned by Portfolio

- **Simulation Assessment:** Two tasks given to the learner testing their application of selected knowledge, skills and behaviours defined in the Network Engineer programme; Network Failure and Network Optimisation. The Project is completed over two consecutive days at the learner's place of work. The questioning will be carried out by the EPAO lasting for 45 minutes.
- **Professional discussion:** A structured discussion between the learner and the assessor. Questions they will be expected to answer include; their portfolio, and knowledge from their job role. The discussion will be carried out by the EPAI lasting for 60 minutes.

After this stage, the learner will receive a final grade of either a pass, merit or distinction



Our apprenticeships available to Hampshire County Council staff

Digital

| | | |
|---------------------------------------|--------------------|---------------------|
| Information Communications Technician | Data Readiness | Data Analyst |
| Business Analyst | Software Developer | Network Engineer |
| Multi-Channel Marketer | Content Creator | Marketing Executive |

About us

Just IT is all about making careers happen. As a multi, national award-winning company, operating for over 20 years, we support learners through our unique offering of Apprenticeships, Recruitment and Training services.

We put our customers at the centre of everything we do and that ensures that we run a business where candidates return continually to further develop their career and clients return to us on a repeat basis.

We have trained and developed over 12,000 candidates' careers and our focus on service means we have a 91% Employers satisfaction rating and 90% rate us good/Excellent.



To register your interest in using the programme, please email Andrew Walker: andrew@justit.co.uk