

Healthcare Science Associate Apprenticeship (Level 4)

Duration: 8-24 months



Why Organisations Choose This Programme

- Develop a highly skilled healthcare science workforce
- Strengthen clinical capability across diagnostic services
- Improve safety, consistency and quality of procedures
- Support workforce progression and retention
- Align workforce development with NHS priorities and service demand
- Create clear progression pathways from Level 2 to Level 4 and beyond

What The Programme Covers

Learners will build confidence in:

- Delivering diagnostic and clinical procedures safely
- Working within governance, ethical and regulatory frameworks
- Applying scientific knowledge in practice
- Supporting patient-focused care and outcomes
- Working effectively within multidisciplinary teams
- Developing autonomy, accountability and professional judgement

The Apprenticeship is Delivered Through:

- Monthly remote core sessions (shared across all pathways)
- Specialist teaching aligned to workplace role
- Workplace-based clinical practice and competency development
- Portfolio-based assessment via e-portfolio
- Regular coaching and progress reviews
- Gateway and End-Point Assessment in the final months

A practical Level 4 apprenticeship designed to develop skilled Healthcare Science Associates who contribute to safe, effective patient care across clinical, diagnostic and therapeutic services. This programme equips learners with the knowledge, skills and confidence to work with greater autonomy while maintaining the highest standards of safety, governance and professional practice.

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Available Level 4 Pathways:

- Respiratory & Sleep
- Respiratory
- Respiratory with Cardiac Physiology
- Cardiac Physiology (Adult)
- Cardiac Physiology (Paediatric)
- Cardiac Physiology with Respiratory Element
- Pathology
- Ophthalmology
- Decontamination / Sterile Services
- Medical Physics
- Medical Engineering
- Neurophysiology
- Sleep Science

Apprentices will:

- Carry out real clinical and diagnostic procedures
- Build independence while maintaining safe working practices
- Strengthen decision-making and professional judgement
- Contribute to patient pathways and service delivery

Off-the-job learning (578 hours)

Examples include

- Attending masterclasses
- Specialist development
- coaching and progress reviews

All off the job learning is specialised to your chosen pathway
(Scan the QR code to discover more)

End-Point Assessment (EPA)

The assessment typically includes:

- Observation of Practice
- Professional Discussion
- Portfolio Review

Achievement: Level 4 Healthcare Science Associate Apprenticeship (Pass or Distinction)

Who is This For?

- Healthcare Science Assistants progressing from Level 2
- Assistant practitioners and associate-level staff
- Staff working within Healthcare science services
- Individuals looking to take on greater responsibility within clinical procedures

Progression Outcomes

- Band 4/5 Healthcare Science Associate or Assistant Practitioner roles
- Level 6 Healthcare Science Degree Apprenticeships (e.g. Physiological Sciences, Life Sciences)
- Specialist clinical roles such as Respiratory Physiologist, Cardiac Physiologist or Biomedical Scientist (with further study)
- Ongoing CPD and leadership development within NHS or private providers

Get in touch!

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