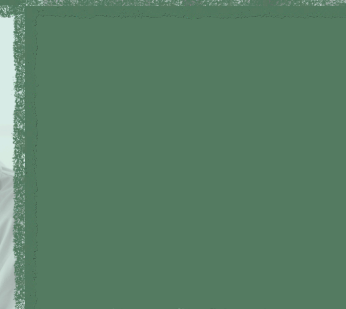
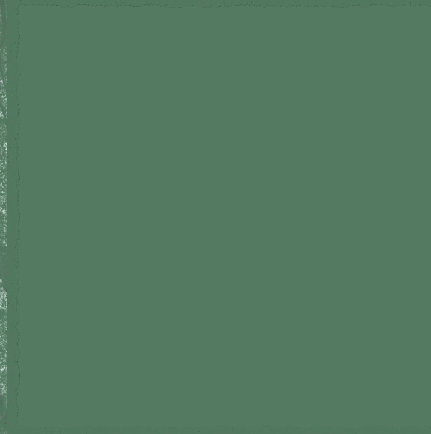
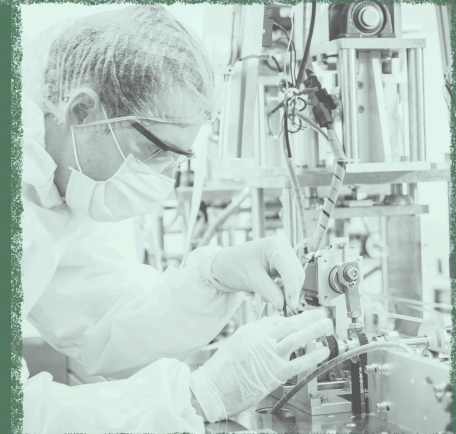


Unlocking Skills & Careers In Healthcare Science



**Apprenticeships & Qualifications
for the Healthcare Science
Workforce**

UNLOCKING EXCELLENCE ACROSS HEALTH, CARE & HEALTHCARE SCIENCE

Dynamic Training are an apprenticeship, adult education, and bespoke training specialist, with a specialism in the health, care and healthcare science sectors. We believe passionately in providing high-quality and inclusive education, empowering both employers and employees to reach their aspirations.

We have an incredibly passionate and experienced team of coaches, who aspire to deliver the very best training and support. We stand out from other training providers through our strong commitment to accessible education, as well as our prestige within the healthcare sector.

We have collaborated closely with national task and finish groups, health academies and NHS employers in order to shape our apprenticeships and training courses, so that they meet the demands of modern healthcare staff.



**Contact us today to
discuss how we can
support you.**

**020 8607 7850
ask@dynamictraining.org.uk**

Learner Feedback:

Completing this apprenticeship with Dynamic has enhanced my clinical skills and it will also allow me to progress in my career onto a higher pay band within ophthalmology. The reassurance and support from mentors have made returning to structured learning much less intimidating for me and have also helped to develop my confidence massively. I am very thankful for this opportunity and feel very proud to have also achieved a healthcare science award, which was lovely to get recognised for what we do as ophthalmic imaging technicians!



I feel privileged to have been given this opportunity and I am enjoying every moment of my experience.

HEALTHCARE SCIENCE ASSISTANT APPRENTICESHIP

Duration: 8-14 Months

Healthcare Science Assistants perform a range of routine technical and scientific procedures in clinical settings, carrying out clinical, technical, scientific or administrative duties according to standard operating procedures.

This apprenticeship enhances the capabilities of Healthcare Science Assistants, focusing on developing core skills and growing specialist knowledge in preparation for further studies. The apprentice achieves core competences before embarking on a role relevant pathway.



Healthcare Science Assistant Pathways

- **Ophthalmology Science Pathway**
- **Decontamination Science Pathway**
(enrolment window: May–December)
- **Decontamination Science with Endoscopy Pathway**
(enrolment window: May–December)
- **Respiratory/Sleep Science Pathway**
- **Respiratory Science Pathway**
- **Respiratory with Cardiac Science Pathway**
- **Cardiac Science Pathway**
- **Pathology Science Pathway**
- **Phlebotomy Science Pathway**
- **Medical Engineering Science Pathway**

Learner Feedback

I struggle with academic work as I am Autistic and have ADHD. I have been very fortunate to have amazing support from the management team. I also have a wonderful Dynamic tutor, without whom I would not have been able to finish this course.

Core Sessions (For All Pathways)

- Being a Successful Student & Scientist.
- Health, Safety & Security.
- The Role of the Healthcare Scientist.
- Quality, Audit, Research & Innovation.
- Principles & Practice of Patient Care .
- Health & Disease.



6/6 employers felt the apprenticeship improved apprentice skills

Decontamination Pathways

- Receiving, Cleaning and Disinfection of Reusable Medical Devices.
- Inspection, Function Testing, Assembly and Packaging within a Controlled (Clean) Environment .
- Cause and Spread of Infection.
- Terminal Process (Sterilisation).
- Causes of Disease and Maintaining Health.
- Optional Endoscopy Units.



84%

of apprentices (8 of 10) completed this course and passed their end-point assessment with this provider in academic year 2024 to 2025.

Ophthalmology Pathway

- Causes of Disease and Maintaining Health.
- Cause & Spread of Infection
- Introduction to Visual Impairment.
- Measuring Visual Acuity.



Respiratory Pathway

- Anatomy and Physiology: Cardiovascular, Lymphatic and Respiratory Systems
- Spirometry & Bronchodilator Response In Adults.
- Performing Spot Oxygen Measurements.
- Optional Respiratory & Sleep Units.

Cardiac Pathway

- Anatomy and Physiology: Cardiovascular, Lymphatic and Respiratory Systems.
- Measuring Blood Pressure using an Automatic Machine.
- Performing Routine Electrocardiography in Adults Setting up a Cardiac Monitor.
- Fitting a 24hr Ambulatory ECG Monitor & Blood Pressure Monitor.
- Manual Blood Pressure Measurement.



EXCELLENT

average review from 27
apprentices when asked to
rate this provider as
'Excellent', 'Good', 'Poor' or
'Very poor'.

Phlebotomy Pathway

- Causes of Disease and Maintaining Health.
- Cause and Spread of Infection.
- Obtain Venous Blood Samples.

Medical Engineering Pathway

- Causes of Disease and Maintaining Health
- Cause and Spread of Infection.
- Introduction to Working in Clinical Engineering

Pathology Pathway

- Receive and sort laboratory specimens/samples under supervision.
- Transport and store laboratory specimens/samples under supervision.
- Understand the procedures for managing specimens and samples within the laboratory
- Correctly handle problem samples including insufficient, mislabelled and high-risk specimens.
- Health and safety procedures for different laboratory tasks.

Respiratory Sleep Pathway

- Human anatomy and physiology
- Cardiovascular and respiratory systems
- Spirometry and bronchodilator response testing
- Oxygen saturation monitoring
- Interpretation of spirometry results
- Respiratory disorders
- Sleep disorders and sleep diagnostics
- Diagnostic equipment and quality assurance
- Patient preparation and support
- Clinical governance and safe practice



Respiratory Cardiac Pathway

- Human anatomy and physiology
- Cardiovascular, lymphatic and respiratory systems
- Spirometry and bronchodilator response testing
- Oxygen saturation monitoring
- Blood pressure measurement
- Electrocardiography (ECG)
- Cardiac and respiratory disorders
- Diagnostic equipment and quality assurance
- Patient preparation and support
- Clinical governance and safe practice

Phlebotomy Pathway

- Causes of disease and maintaining health
 - Infection prevention and control
 - Microbiology and pathogens
 - Routes of infection transmission
 - Public health and health protection
 - Venous blood collection procedures
 - Patient identification and preparation
 - Specimen handling and processing
 - Personal protective equipment (PPE)
 - Decontamination and waste management
 - Team working and communication
 - Basic anatomy and physiology
-

Sleep Pathway

- Human anatomy and physiology
- Cardiovascular, lymphatic and respiratory systems
- Oxygen saturation monitoring
- Sleep disorders and sleep-disordered breathing
- Sleep diagnostic investigations
- Sleep study equipment and quality assurance
- Interpretation of sleep diagnostic data
- Patient preparation and support
- Equipment maintenance and decontamination
- Clinical governance and safe practice

GET INSPIRATION ABOUT HOW TO PROGRESS YOUR CAREER

Learner Feedback:

The apprenticeship was a great stepping stone in my pathway to becoming a physiologist. It allowed me to develop within my role, providing me with the knowledge and clinical skills to take me from a band 2 HCA to a band 4 HSA. Through completion of training, competencies, and classroom days, I was able to take on a more hands-on approach in clinics, for example leading my own urine flow clinics and UBR scans. I was also able to develop my technical skills, allowing me to support the department through equipment calibration and verification, auditing and drafting SOPs and risk assessments. The specialist units were also very useful for teaching physiology and pathophysiology, equipping me the scientific background knowledge to apply to my work/clinics. I continue to build on this knowledge everyday within my current role.

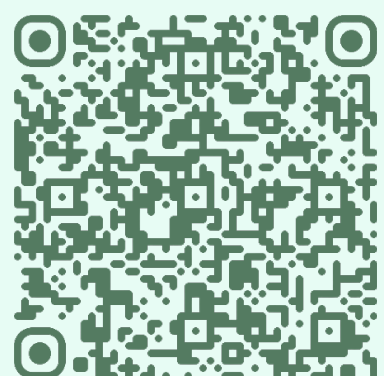
For me the apprenticeship bridged the gap from HCA, to working currently as a band 5 physiologist, and to starting the STP this September. I think completion of the apprenticeship will provide an advantage for starting the STP, having already gained many of the competencies already and worked in such clinics for years now. Additionally, my experience with completing audits will be useful for the research project modules of the programme.

HEALTHCARE SCIENCE ASSOCIATE APPRENTICESHIP

Duration: 8-24 Months

Healthcare Science Associates work with a wider team, performing a range of technical and scientific procedures, supporting the work of Healthcare Science Practitioners and Clinical Scientists.

The Healthcare Science Associate Apprenticeship develops more technical skills and knowledge enabling potential progression to higher education and professional status.



Healthcare Science Associate Pathways

- **Respiratory Science Pathway**
- **Respiratory and Sleep Science Pathway**
- **Cardiac Physiology (Adult) Science Pathway**
(enrolment window: September–January)
- **Cardiac Physiology (Paediatric) Science Pathway**
(enrolment window: September–January)
- **Cardiac Physiology Science with Respiratory Element Pathway** (enrolment window: September–January)
- **Respiratory Science with Cardiac Physiology Element Pathway**
- **Ophthalmology Science Pathway** (enrolment window: September–January)
- **Ophthalmology Science with Electrophysiology Pathway** (Enrolment window Sept - Jan) Requires face to face at Moorfields.
- **Medical Engineering Science Pathway**
- **Pathology Science Pathway**
- **Decontamination Science Pathway** (enrolment months: February, June and September)
- **Neurophysiology Science Pathway**



Core Sessions (For All Pathways)

- Being a Successful Student & Scientist.
- Effective Communication.
- Legal & Ethical context of working in Healthcare Science.
- Health, Safety & Security.
- Quality, Audit Research & Development.
- Working in A Technical Environment.
- Teaching, Training & Assessing Others.
- Leadership, Supervision, Mentoring & Teamwork.

Cardiac Pathways

- Performing Routine Electrocardiography in Adults
- Ambulatory ECG Monitoring
- Recognising ECG Abnormalities in Adults (Children for Paediatric pathway)
- Ambulatory Blood Pressure Monitoring
- Assist in Cardiac Stress Testing
- Scientific Basis of Cardiovascular, Respiratory and Sleep Science: Cardiac Embryology, Anatomy and Physiology
- Cardiac Physiology with Respiratory Element Pathway (Paediatrics pathway)
- Spirometry and Bronchodilator Response in Adults

Respiratory Pathway

- Scientific Basis of Cardiovascular, Respiratory and Sleep Science: Anatomy, Histology and Physiology of the Respiratory System.
- Spirometry and Bronchodilator Response in Adults.
- Respiratory and Sleep Physiology. • Measurement of Single Breath Gas Transfer.
- Measurement of Static Lung Volumes in Adults.
- Point of Care Testing (Respiratory Pathway)
- Measuring Peripheral Oxygen Saturation (Respiratory Pathway)

87.5%

of apprentices (18 of 20) completed this course and passed their end-point assessment with this provider in academic year 2024 to 2025.

Ophthalmology Pathway

- Ophthalmic Pharmacology
- Instil Eye Medication for the Purpose of Investigation or Treatment
- Anatomy, Physiology, Pathophysiology of the Visual System
- Imaging the Posterior Segment of the Eye
- Measure Visual Acuity
- Visual Field Assessment
- Measure Optical Prescriptions and Refractive Error

Medical Engineering Pathway

- Scientific Basis of Healthcare Science: Clinical Science
 - The Building Blocks of Life
 - The Medical Equipment Lifecycle
 - Acceptance Testing of New Medical Equipment
 - Planned Preventative Maintenance
 - Diagnosing and Rectifying Equipment Faults
 - Decommissioning and Disposal of Medical Equipment
 - Medical Engineering in Practice
-



Decontamination Pathway

- Principles and Practice of Decontamination Science
- Preparation of Medical Devices for the Cleaning and Disinfection Process
- Cleaning and Disinfection of Medical Devices – Manual & Automated Processes
- Inspection, Assembly, Packaging of Medical Devices in a Controlled Environment
- Terminal Processing including Sterilisation and High-Level Disinfection
- Testing, Maintenance and Breakdown Management of Decontamination Equipment
- Principles and Practice of Flexible Endoscope Decontamination



EXCELLENT

average review from 27 apprentices when asked to rate this provider as 'Excellent', 'Good', 'Poor' or 'Very poor'.

Pathology Pathway

- Scientific Basis of Healthcare Science: Clinical Science
- Scientific Basis of Healthcare Science: Mathematics, Statistics & Physical Sciences
- The Building Blocks of Life
- General Laboratory Practice



Neurophysiology Pathway

- Scientific Basis of Healthcare Science: Clinical Science
- Scientific Basis of Healthcare Science: Mathematics, Statistics & Physical Sciences
- The Building Blocks of Life
- Assisting with Electroencephalography

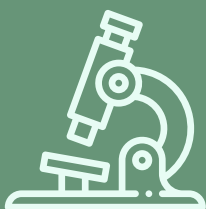


Cardio Respiratory Pathway

- Spirometry and reversibility testing
- Pulmonary function testing
- Gas transfer and lung volume measurement
- Electrocardiography (ECG)
- Sleep diagnostics and sleep study set-up
- Sleep disorder investigations
- Anatomy and physiology of the cardiac and respiratory systems
- Pathophysiology of cardiac, respiratory and sleep-related disorders

Respiratory Sleep Pathway

- Spirometry and reversibility testing
- Single breath gas transfer
- Static lung volumes
- Sleep diagnostics and sleep study set-up
- CPAP set-up, initiation and review
- Anatomy and physiology of the respiratory system
- Pathophysiology of respiratory and sleep disorders



Medical Physics Pathway

- Anatomy and Physiology
- Scientific Basis of Medical Physics
- Application of physics in healthcare environments

Sleep Science Pathway

- Preparing patients for sleep investigations, explaining procedures, and providing caring and encouraging guidance and support.
- Calibrating, checking, and preparing sleep diagnostic equipment.
- Setting up patients with overnight sleep study devices and downloading data on their return.
- Analysing and reviewing sleep study data in accordance with local protocols.
- Supporting CPAP therapy set-up, initiation, patient education, and follow-up reviews.
- Maintaining accurate records and ensuring equipment is cleaned, maintained, and ready for reuse.



Accredited & Non-Accredited Training Courses

Dynamic Training offer a robust suite of commercial training courses, designed to ensure your teams gain the knowledge and practical expertise required to deliver outstanding patient-centred care, enhance clinical compliance, raise professional standards, and support continuous workforce development.

We also proudly deliver the full suite of Oliver McGowan Mandatory Training on Learning Disability and Autism, ensuring your organisation meets statutory requirements and provides safe, inclusive, and compassionate support for patients with learning disabilities and autistic individuals.

OLIVER MCGOWAN MANDATORY TRAINING

Oliver McGowan Tier 1 Training (Online)

Length: 1 hour

A foundational awareness session for all staff, introducing learning disability and autism, effective communication, reasonable adjustments, and person-centred care. Co-delivered by accredited trainers and experts with lived experience.

Learner Feedback:

This training was exceptional!!

I gained such a lot of information and knowledge from this training that has enabled a much greater understanding of challenges some people face. This enables me to think about certain situations and also consider a persons needs with a greater awareness. very valuable training.



Oliver McGowan Tier 2 Training

Length: 1 full day

A mandatory, in-depth programme for staff providing direct care or support. Covers legislation, LeDeR, STOMP/STAMP, the Mental Capacity Act, and practical strategies for making reasonable adjustments, delivered face-to-face with expert co-trainers with lived experience.

Train the Facilitating Trainer: Oliver McGowan Tier 2

Length: 2 full days

An advanced programme qualifying experienced professionals to become licensed facilitators of Oliver McGowan Tier 2 training. Focuses on content mastery, co-facilitation skills, delivery confidence, and assessment for certification.

E-LEARNING

Fast Flexible Learning For Induction, Compliance & Refresher Training. Dynamic offers access to e-learning courses, providing high-quality, on demand training that fits around shift patterns and service pressures.



Online Anatomy and Physiology Modules

Including:

Cells

Tissues & Integumentary System

Musculoskeletal System

Nervous System

Endocrine System

Cardiovascular System

Lymphatic System & Immunity

Respiratory System

Urinary System & Fluid Balance

Gastrointestinal System

Reproductive System

- **100% online, on-demand access**
- **Immediate rollout for individuals or teams**
- **Certificates for audit, CPD and inspection evidence**



ACCESSIBLE APPRENTICESHIPS

All learning, including apprenticeships, should be accessible. At Dynamic Training, we continue to strive to be instinctively inclusive, so that every learner can take part, feel supported, and achieve their goals. We do this by identifying each learner's individual needs and, where appropriate, putting reasonable adjustments in place. We see adjustments as a practical, positive way to remove barriers and support progress.

Learner Needs Examples

Learner needs we may support with may include:

- Language barriers.
- Learning difficulties and learning disabilities.
- Physical disabilities.
- Neurodivergence.
- Mental health challenges.
- Autism.
- Visual or hearing impairments.

Scan to find out more!



Reasonable Adjustment Examples

- Additional visits, including face-to-face coaching and support.
- Extra time for assessments and learning activities.
- Alternative assessment methods, where appropriate.
- Using assistive technology, such as speech-to-text software or screen readers.
- Flexible approaches to end-point assessment arrangements, where permitted.

ABOUT DYNAMIC TRAINING



Scan to find out more!

Our Values

- Integrity
- Transparency
- Accountability
- Teamwork
- Inclusivity



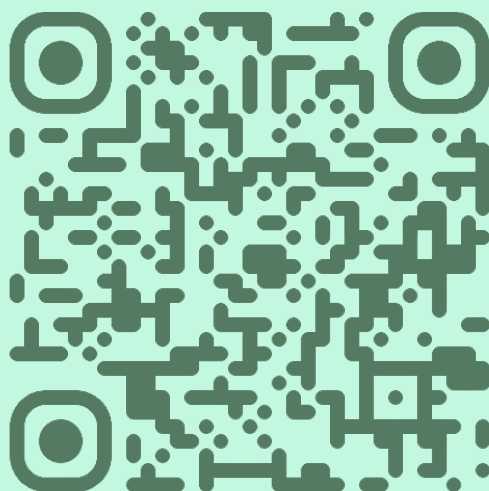
Our Mission

To deliver high-quality, inclusive education that develops confident healthcare professionals who act with integrity, accountability, and effective teamwork. Our programmes support the delivery of compassionate, safe, and effective care across a diverse and evolving healthcare landscape.

Ready to Get Started?

Build A Workforce That Is Confident, Capable & Recognised.

With Apprenticeships, Awards/certificates, Diploma accredited courses and E-learning. Dynamic offers a joined-up approach to workforce development that delivers impact now and builds strength for the future.



 **Dynamic Training**

020 8607 7850

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